

# MONTHLY WEATHER REPORT

COMPILED FROM RETURNS OF OFFICIAL AND VOLUNTARY OBSERVERS

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JULY

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## Mostly cool and changeable .

A depression to the south of Iceland moved to the northern North Sea between the 1st and the 3rd, its associated fronts crossing the British Isles. A north to north-westerly airstream then covered Britain, and fronts from the Atlantic crossed all areas after the 6th. A ridge from an anticyclone over the Norwegian Sea extended southwards over eastern districts on the 10th, and as the anticyclone gradually moved south-westwards to the Atlantic the whole of the British Isles came within its influence. The high pressure declined by the 18th and frontal systems associated with Atlantic depressions crossed all areas between the 22nd and the 28th. A weak ridge extended across Britain on the 29th, but fronts returned from the east on the 30th and a thundery depression moved from the continent to the English Channel area on the 31st.

### Weather

The early part of the month was mostly cool and unsettled, but temperatures rose during the second week and most areas had a spell of mainly dry and sunny weather until around mid-month. Cooler, changeable conditions returned, however, and outbreaks of rain became increasingly frequent after the 21st. There were thunderstorms at times during the last week and occasional gales in the north and west, but a brief warm spell also occurred. Fog patches affected northern and western coasts at times throughout the month and overnight fog occasionally developed in inland areas. Climbers on Ben Avon, in the eastern Grampians, reported a fall of snow at 900 m on the 6th and large patches of snow were still visible on the upper slopes of the Cairngorm mountains at the end of the month.

### Wind

Winds were fresh or strong on exposed northern and western coasts until the 9th, reaching gale force locally. Speeds then became light generally until around mid-month, although there were onshore breezes at times. Winds were occasionally fresh or strong on northern coasts during the third week, but such occurrences became more frequent after the 21st and there were gales at times in the north and west. South to south-west winds at the beginning of the month became northerly, then north-westerly, between the 3rd and the 9th. Directions were often variable between the 10th and the 17th, but were mainly west to north-west from the 18th to the 21st. South to south-west winds then predominated until the last few days, when directions became rather variable.

### Temperature

Monthly mean temperatures were below normal in all areas. Values were between 1.0 and 1.5 °C below average over most of England and Wales, although departures from the normal were greater than 1.5 °C in a few places, mostly in eastern England, and less than 1.0 °C in parts of southern and north-western England. In Northern Ireland and in Scotland, except in parts of the north and east, where values were between 1.0 and 1.5 °C below average, mean temperatures were generally between 0 and 1 °C below normal. Although the month was generally

cool, it became warm in many parts between the 9th and the 17th, and there was a short warm spell towards the end of the month. Most places recorded their highest temperature during one or other of these periods: in Scotland the temperature rose to 25.5 °C on the 11th at the western end of the Great Glen and on the 28th Gillingham (Kent) recorded a maximum of 27.6 °C.

### Rainfall

Rainfall was generally below average in Northern Ireland and also over most of Scotland, although totals were well above average in parts of north-east Scotland, where about 150 per cent of the normal fell in places. Parts of Shetland and southern Scotland also had above-average rainfall. Distribution was rather variable over England and Wales, but most areas, except north-western England, parts of East Anglia and south-eastern England, and a few places in Cornwall and North Wales, had more than their usual July rainfall. Over twice the average fell in parts of Dorset and the south-west Midlands, and also near York. Outbreaks of rain during the early part of the month were accompanied by thunder and hail in places, but it was mostly dry between the 10th and the 17th. The changeable weather then returned and periods of rain were frequent after the 21st. A number of places recorded daily rainfalls exceeding 50 mm and there were some heavy falls in shorter periods. About 70 mm were recorded at Spelga Dam (Co Down) between 13 GMT on the 25th and 02 GMT on the 26th, and 71.4 mm fell at Winfrith (Dorset) in 13 hours from 0325 GMT on the 31st. Thunderstorms occurred in many parts of England towards the end of the month and hailstones measuring 2 cm in diameter were reported at Coltishall (Norfolk) on the 30th.

### Sunshine

Sunshine totals were below normal almost everywhere in England and Wales. Monthly values were between 50 and 75 per cent of

average in parts of Lincolnshire, East Anglia and South Wales, and in all southern counties of England, except Cornwall. Southampton had its dullest July since 1944. Totals in remaining districts of England and Wales were between 75 and 100 per cent of average and were nearest to the normal in the north Midland and north-west England. Sunshine was generally below average in Northern Ireland, except in the south-east. In Scotland totals were mostly between 70 and 100 per cent of average in the east and north, but in Shetland, Baltasound, with only 49 per cent of average (66.5 hours), had its dullest July since records began in 1906. Some western parts of Scotland had above-average sunshine, however, with about 115 per cent of the normal in places. Most of the month's sunshine was recorded between the 9th and the 17th and at times during the last week.

### Fog

Fog patches occurred fairly frequently along the coasts of northern Scotland, south-west England and the Channel Islands. Fog also formed along the Welsh coast from time to time and affected the coasts of north-eastern England and eastern Scotland during the last few days of the month. Hill fog occurred occasionally and this was extensive in western areas on the 27th. Patches of overnight fog developed in inland areas between the 10th and the 14th and also towards the end of the month. Except during the second week, much of the fog which occurred around northern coasts, and in England and Wales during the month, was associated with precipitation.

### Miscellaneous Phenomena

A funnel cloud was reported over the sea to the north of Manston (Kent) on the evening of the 20th, and on the 30th funnel clouds over the North Downs were observed from Gatwick Airport (West Sussex) in the early afternoon.

Table 1 District values

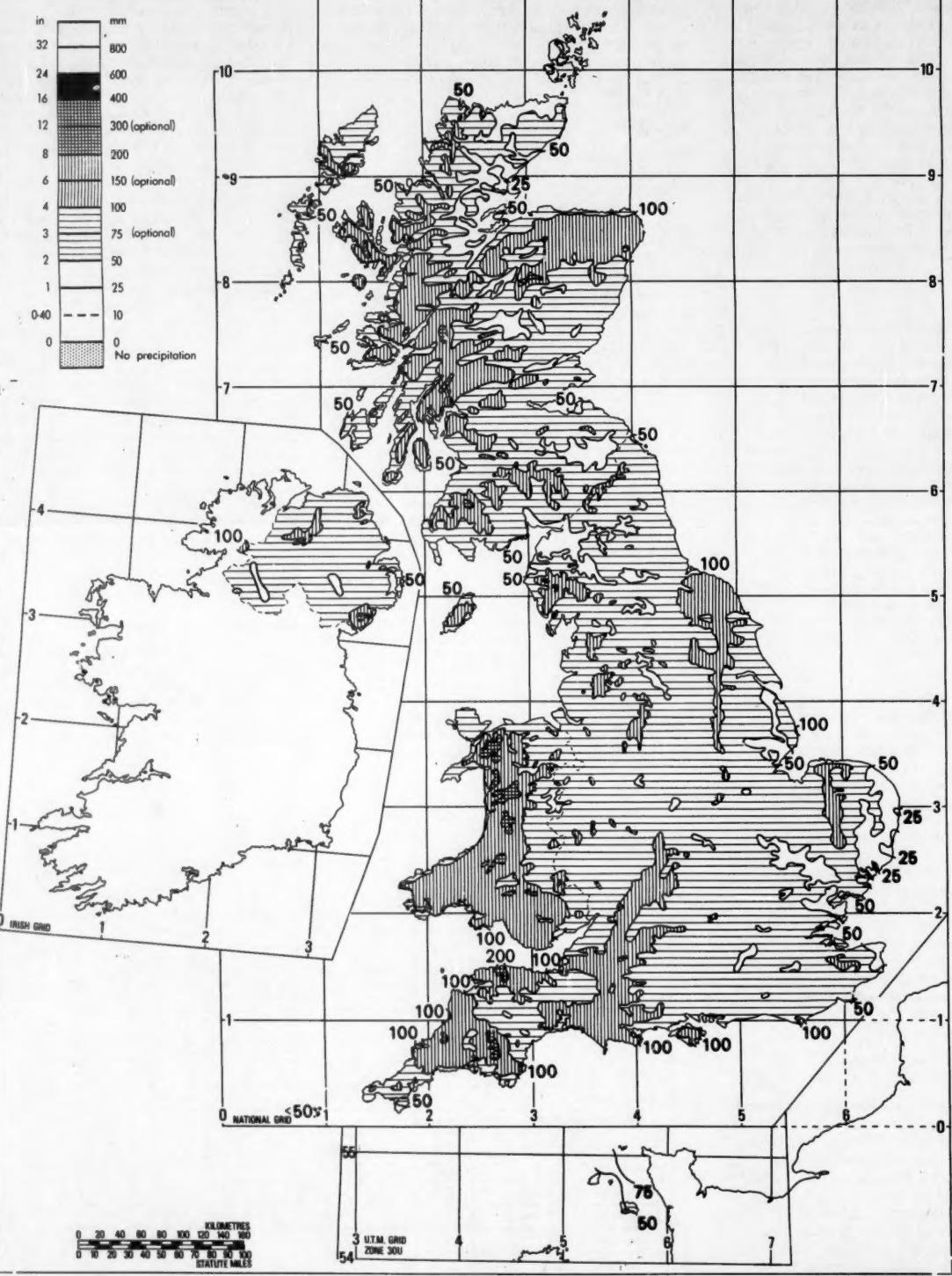
District	air temperature °C						mean 30-cm earth temp °C	rain- days	rainfall	sun- shine
	Highest Max.*	Lowest Min.*	max.	min.	mean	difference from average				
0 Scotland N	25.5	2.5	-1.2	-0.9	-1.1	-0.9	-1	68	76	
1 Scotland E	23.0	2.1	-1.2	-0.6	-0.9	-0.5	-1	92	90	
2 England E & NE	25.1	3.0	-1.7	-1.1	-1.4	-0.6	+3	119	81	
3 East Anglia	25.7	5.0	-1.9	-0.8	-1.4	-1.3	+2	98	73	
4 Midland Counties	26.0	4.8	-1.5	-0.8	-1.2	-1.2	+1	128	83	
5 England SE & Central S	26.6	5.3	-1.7	-0.5	-1.1	-1.5	+1	133	69	
6 Scotland W	25.5	2.1	-0.6	-1.0	-0.8	-0.7	-3	79	102	
7 England NW & Wales N	23.9	5.5	-1.3	-0.9	-1.1	-1.2	-1	106	94	
8 England SW & Wales S	27.0	5.7	-1.7	-0.6	-1.1	-0.9	+1	139	73	
N Ireland	23.6	2.6	-0.8	-0.4	-0.6	-0.7	-1	80	93	
Scotland	25.5	2.1	-1.0	-0.8	-0.9	-0.7	-2	80	89	
England & Wales	27.0	3.9	-1.6	-0.8	-1.2	-1.1	+1	121	79	

\*Highest maximum and lowest minimum of District Value Stations.

### RAINFALL (in millimetres)

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The approximate values in inches are given. The exact relation is  $254 \text{ mm} = 10 \text{ in}$



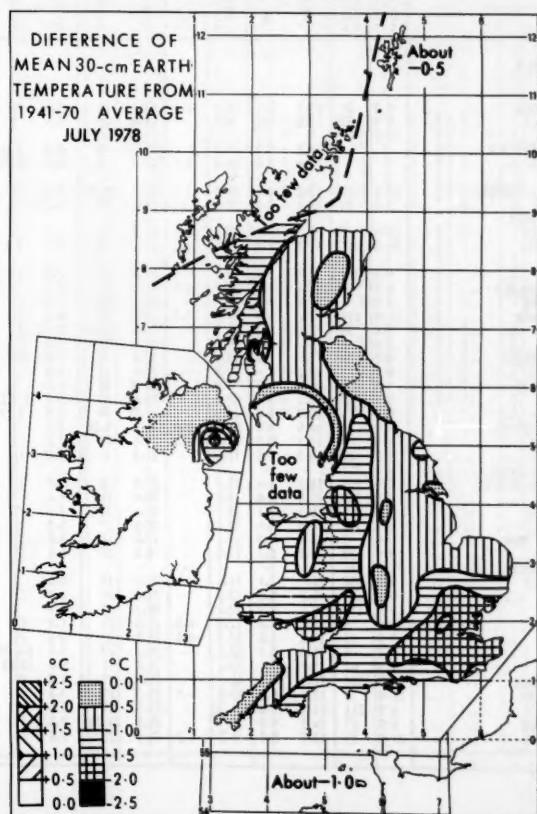
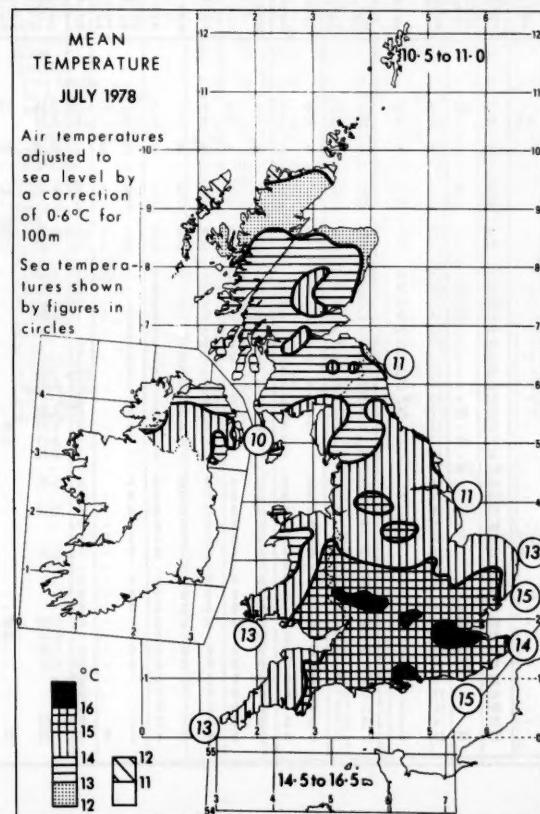
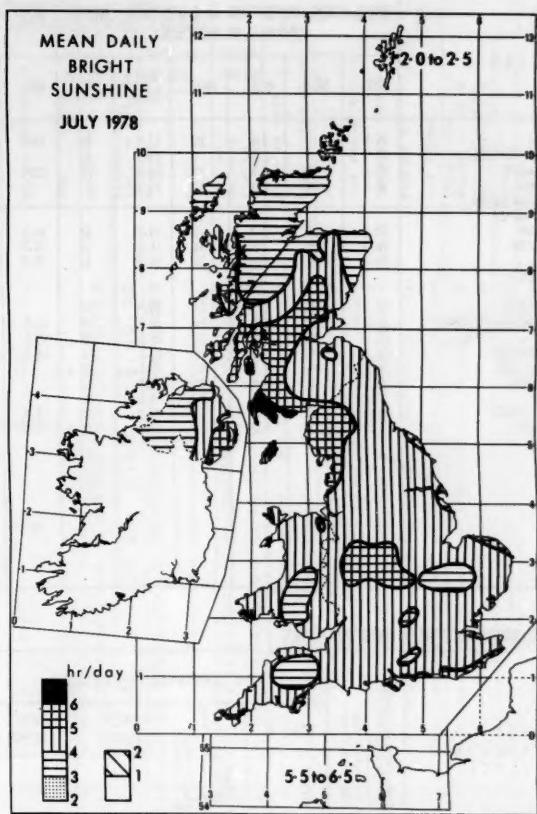
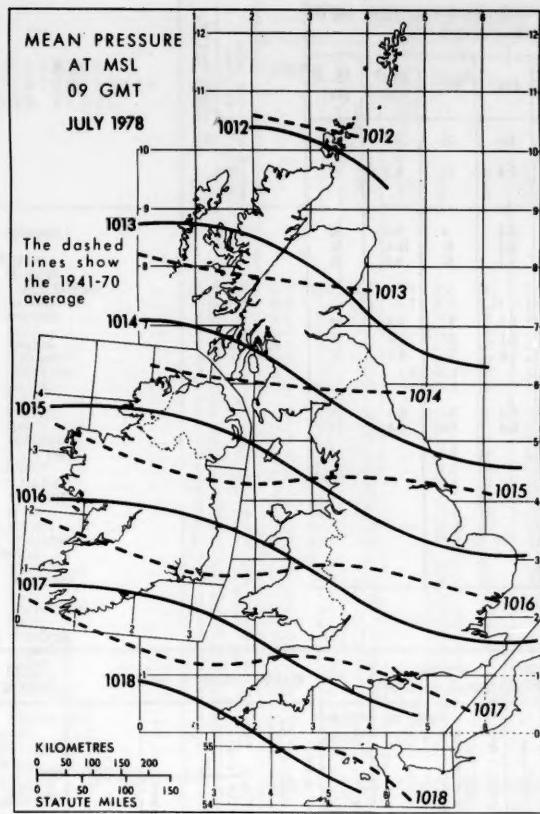


TABLE 2 SOLAR RADIATION

STATION	DAILY GLOBAL IRRADIATION ON A HORIZONTAL SURFACE (MEGAJULES PER SQUARE METRE)						DAILY DIFFUSE IRRADIATION ON A HORIZONTAL SURFACE (MEGAJULES PER SQUARE METRE)					
	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS
LERWICK	25.9	9	3.5	26	12.7	31	14.2	21	3.4	26	9.2	31
ABERDEEN UNIVERSITY	25.7	9	2.3	4	13.0	31	12.9	16	2.8	27	9.0	28
ESKDALEMUIR	27.4	10	2.8	27	14.6	28	-	-	-	-	-	-
HOOD HOUSE	30.3	10	2.3	31	15.3	31	-	-	-	-	-	-
SUTTON BONINGTON	-	-	-	-	-	-	-	-	-	-	-	-
GRAHAM WATER	-	-	-	-	-	-	-	-	-	-	-	-
ABERPORTH	28.3	24	2.7	4	15.2	30	14.2	21	2.0	4	9.7	30
CARDINGTON	26.0	25	2.6	31	15.1	31	15.2	15	2.6	31	10.4	31
SILSOE	26.7	25	2.1	31	14.7	31	15.2	15	2.0	31	9.9	31
ROTHMESTER	-	-	-	-	-	-	-	-	-	-	-	-
GARSTON	-	-	-	-	-	-	-	-	-	-	-	-
MALLINCHORD	22.4	25	1.7	31	13.8	31	-	-	-	-	-	-
LONDON WEATHER CENTRE	26.2	25	1.8	31	14.2	30	13.5	14	1.7	31	9.3	30
KEW	26.4	25	2.0	31	14.6	30	13.4	11	2.1	31	9.6	30
EARLHAMSTED	26.1	25	1.6	31	14.9	31	13.1	15	1.6	31	9.8	31
EARL MALLIND	26.0	25	0.9	31	13.9	30	-	-	-	-	-	-
RUSTINGTON	28.5	16	1.8	31	16.8	31	-	-	-	-	-	-
WAREHAM	27.2	16	2.1	31	15.0	31	-	-	-	-	-	-
JERSEY AIRPORT	26.8	7	2.1	31	16.2	31	13.9	20	2.1	31	8.7	31
ALDERGROVE	27.5	14	4.2	4	15.1	30	13.4	9	4.0	4	9.6	30

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

DISTRICT REGION/COUNTY AND PLACE	MAX. - MIN. - TERMINAL HEIGHT OF OBSERVATION	AIR TEMPERATURE IN DEGREES C				MEAN EARTH TEMPERATURE	RAINFALL (TERMINAL H 09 GMT)	WEATHER (NUMBER OF DAYS)				BRIGHT SUNSHINE			
		MEAN OF HEIGHT OF STATION ABOVE海 (METRES)	MEAN OF R.H. (MEAN OF R.H.)	HIGHEST MAXIMUM	LOWEST MINIMUM			NO. CM DEGREES C	100 CM DEGREES C	TOTAL FALL (MM)	PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY			
								MAX.	DATE	MIN.	DATE				
0 SCOTLAND N	-	-	-	-	-	-	-	-	-	-	-	-			
SHELTYLAND	-	-	-	-	-	-	-	-	-	-	-	-			
BALTRASOUND	9.9	24	13.1	8.1	10.6	-1.4	17.7	28	5.1	10	10.9	-			
FAIR ISLE	9.9	57	11.6	8.3	9.9	-	14.9	28	6.4	8	10.6	9.8			
LERWICK	21.9	82	-	-	-	-	-	-	-	-	-	-			
PSYCHROMETER	-	-	12.2	8.2	10.2	-	16.3	9	6.0	3.16	-	-			
SCREEN	-	-	12.4	8.2	10.3	-1.4	16.6	9	6.0	8.16	-	-			
ORKNEY	-	-	-	-	-	-	-	-	-	-	-	-			
KIRKWALL AIRPORT	21.9	26	13.2	8.6	10.9	-1.4	18.2	28.29	5.5	1	-	-			
MEYLAND	9.9	24	13.4	8.9	11.1	-	19.0	29	6.2	1	11.8	-			
WESTERN ISLES	-	-	-	-	-	-	-	-	-	-	-	-			
BENBECULA	21.9	6	15.0	10.2	12.6	-0.6	22.6	11	7.7	5	-	-			
STORMORY	21.9	15	13.9	9.4	11.7	-1.2	17.1	10	6.6	3.5	-	-			
HIGHLAND	-	-	-	-	-	-	-	-	-	-	-	-			
ACHRAY	9.9	107	15.9	8.2	12.1	-	21.0	29	2.8	17	11.6	-			
ACHMARLACH	9.9	67	16.6	8.9	12.7	-0.6	24.3	31	2.5	7	-	-			
BALMARLA	9.9	4	15.9	9.7	12.0	-	20.3	10	4.3	21	-	-			
CAPE WRATH	21.9	112	12.2	8.8	10.5	-1.3	19.2	27	6.4	11	-	-			
CASLEY	9.9	99	16.0	8.7	12.3	-	21.5	10.11	3.5	17	-	-			
CORPACH	9.9	8	17.7	9.4	13.5	-	25.5	11	5.0	21	-	-			
CRIODORRACH	9.9	38	17.6	8.7	13.1	-	22.6	9	5.5	15	-	-			
DALROSS	9.9	11	16.2	9.4	12.0	-	22.1	29	4.8	7	-	-			
DALNINNIE	9.9	351	15.5	9.5	11.0	-	22.4	10	-1.1	7	-	-			
DIBRIO	9.9	60	15.1	9.0	12.5	-	21.6	11	6.6	7	-	-			
DOUNREY	9.9	21	14.8	9.1	11.9	-	21.5	29	5.5	17	-	-			
FORT AUGUSTUS	9.9	21	16.5	9.8	13.1	-0.6	21.4	26	3.4	7	-	-			
FORTROSE	9.9	5	15.1	10.5	12.0	-1.3	19.6	29	7.1	7	-	-			
GEISGEL	9.9	12	15.3	9.5	11.9	-	22.3	11	5.0	11	-	-			
GLENDORE LODGE	9.9	341	-	-	-	-	-	-	-	-	-	-			
GRANTONTON-ON-SPEY	9.9	229	16.1	7.4	11.7	-	21.9	10	3.0	17	-	-			
HERSTE	9.9	109	15.0	9.0	12.0	-	20.4	10	5.4	7	-	-			
INVERNESS	9.9	4	16.6	10.1	13.3	-	21.4	29	7.2	7	-	-			
INVERPOLLY	9.9	14	14.8	9.4	12.1	-	20.2	27	5.9	10	12.5	-			
ISLE OF RHUM	9.9	5	16.3	9.8	13.1	-	22.6	11	6.8	10	15.0	-			
KEISS	9.9	30	13.8	8.7	11.3	-	19.5	23	5.5	17	11.5	-			
KNOCKARROCK	9.9	244	-	-	-	-	-	-	-	-	-	-			
LAGOGANIA	9.9	250	16.1	7.1	11.6	-	23.7	10	-0.6	7	-	-			
LAIRD	9.9	107	16.2	8.2	12.2	-	21.6	29	1.9	17	10.4	-			
LENTRIM	9.9	91	16.1	8.3	12.2	-	20.7	13	5.4	7	10.7	-			
NAIRN	9.9	6	16.2	9.0	12.6	-1.5	22.5	29	4.6	17	-	-			
ONICH	9.9	15	17.3	8.6	12.9	-0.6	25.5	11	3.0	21	-	-			
POOLENE	9.9	6	15.3	9.7	12.5	-	21.2	27	7.4	5.8, 10	-	-			
PRABOST	9.9	67	15.2	9.1	12.1	-	21.3	11	6.4	12, 13	-	-			
STRATHCONON	9.9	107	16.9	8.5	12.7	-	21.4	9	4.3	15	-	-			
TARBATNESS	21.9	18	15.4	9.5	12.5	-1.2	23.2	29	7.3	7	-	-			
TOBINAT	9.9	311	(15.9) 1 (7.6) (11.7)	-	(21.0)	29	3.5	7	-	80	-	-			
TORRISDALE	9.9	27	14.5	9.0	11.7	-	20.5	22.9	3.5	17	-	-			
WICK	21.9	36	13.4	8.9	11.3	-1.2	20	28	5.6	17	-	-			
										51	80	11			
										3	21	13			

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

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DISTRICT REGION/COUNTY AND PLACE	MAX. MIN. HEIGHT ABOVE MSL (METERS)	AIR TEMPERATURE IN DEGREES C						MEAN EARTH TEMPERATURE	RAINFALL (TERMINAL H 09 GHT)			WEATHER (NUMBER OF DAYS)			BRIGHT SUNSHINE											
		MEANS OF STATION (METERS)		DIFFERENCE FROM 1951-70 AVERAGE	HIGHEST MAX.	LOWEST MIN.	DATE		30 CM DEGREES C		TOTAL FALL (MM)	PERCENTAGE OF 1951-70 AVERAGE	MOST IN A DAY	PRECIP- ITATION	DATE	SNOW AMOUNT (MM)	SNOW LYING AT 9H	HAIL	ICE PELLETS+ETC.	THUNDER HURD	FOG AT 9H	AIR FROST	GRASS MIN. DEG C BELOW 0 DEG C	CONCRETE MIN. DEG C BELOW 0 DEG C	DRIVE	
		DAILY MEAN (METERS)	MIN. (8)						MAX.	DATE																
SCOTLAND E																										
GRAMPIAN																										
ABERDEEN																										
DYCE AIRPORT	21-9	58	15.7	9.5	12.6	-0.9	22.1	29	7.0	7.21	-	89	112	32	14	0-2 MM OR MORE OR NONE	0	0	0	0	0	0	0			
BALMORAL	9-9	283	15.9	7.3	11.6	-1.1	20.5	8.10	1-0	21	-	44	65	28	13	0	0	0	0	0	0	0				
BRANCHORY	9-9	94	16.8	9.4	13.1	-	22.6	29	5-8	21	-	84	35	22	13	0	0	0	0	0	0	0				
BRONFIE	9-9	24	16.1	10.0	12.5	-	23.1	29	7.9	17	-	95	133	26	17	11	0	0	0	0	0	0				
BRIDENNAIR	9-9	339	16.6	7.8	12.2	-0.5	22.0	10	2.6	21	-	52	85	22	16	10	0	0	0	0	0	0				
CASHMORI	9-9	338	14.7	7.3	11.0	-	20.5	10	4.3	8.10	11.6	101	52	14	10	0	0	0	0	0	0	0				
CRAIBSTONE	9-9	91	15.3	9.0	12.1	-1.2	20.9	28	6.3	8	13.1	11.0	99	108	32	14	10	0	0	0	0	0				
CULTERTY	9-9	3	15.1	9.0	12.1	-	22.6	28	5.4	27	-	104	151	27	22	16	0	0	0	0	0	0				
ELGIN	9-9	15	-	-	-	-	-	-	-	-	81	102	29	16	11	0	0	0	0	0	0	0				
FORRENLILL	9-9	40	13.8	9.2	11.5	-	21.0	28	7.4	7	15.6	12.0	80	31	10	0	0	0	0	0	0	0				
FORRES	9-9	5	16.5	9.5	13.0	-1.0	22.9	29	5.4	17	15.6	12.0	80	31	10	0	0	0	0	0	0	0				
FRASERBURGH	21-9	19	14.0	9.6	11.8	-	21.5	29	7.3	11	123	150	38	16	10	0	0	0	0	0	0	0				
FYVIE CASTLE	9-9	55	15.6	8.9	12.3	-	22.5	29	6.0	21	27	83	135	18	17	13	0	0	0	0	0	0				
GARTLY	9-9	146	15.8	8.4	12.1	-	22.2	29	4.8	1	-	128	60	36	16	10	0	0	0	0	0	0				
GLENLIVET	21-9	215	15.9	7.6	11.7	-	22.0	10	2.7	10	-	135	137	33	15	10	0	0	0	0	0	0				
INVERURIE	9-9	54	16.7	9.0	12.9	-	22.5	28	6.0	27	-	103	38	15	15	10	0	0	0	0	0	0				
KEITH	9-9	106	16.0	8.2	12.1	-	23.0	29	3.9	17	174	54	19	16	10	0	0	0	0	0	0	0				
KINLOSS	21-9	5	16.1	9.8	12.9	-1.1	22.3	29	5.2	17	12.5	71	104	24	18	13	0	0	0	0	0	0				
LOSSIEMOUTH	21-9	6	15.7	9.5	12.6	-	20.9	23	5.9	17	69	98	23	15	12	0	0	0	0	0	0	0				
TRYNSIDE																										
ABROATH	9-9	29	15.6	10.1	12.9	-	20.1	28	5.5	21	-	69	113	20	3	13	12	0	0	0	0	0	0			
ARDTORNIE	9-9	130	16.1	9.5	13.8	-	24.2	13	3.8	21	-	44	55	111	25	16	10	0	0	0	0	0	0			
DAIL	9-9	232	17.8	7.3	12.5	-	24.4	11	0.4	21	-	25	32	6	12	9	0	0	0	0	0	0	0			
DRUMMOND CASTLE	9-9	113	17.5	9.2	13.3	-	22.3	13	2.9	21	14.6	-	102	32	25	12	9	0	0	0	0	0	0			
DUNDEE	9-9	45	17.7	10.1	13.7	-1.1	22.0	29	5.5	21	15.5	-	51	67	19	3	13	10	0	0	0	0	0			
FRASKARY	9-9	17.5	9.5	13.5	-	23.9	9	3.8	21	14.7	13.2	1	60	13	22	12	9	0	0	0	0	0	0			
KINROOGAN	9-9	259	16.5	7.7	12.1	-	21.9	9	2.1	21	-	46	77	25	13	12	9	0	0	0	0	0	0			
KINROSS	9-9	116	17.3	7.9	12.6	-	21.8	9	3.1	21	14.3	-	77	25	13	12	9	0	0	0	0	0	0			
MONTROSE	9-9	57	15.7	9.6	12.7	-	21.0	28	5.5	21	-	56	81	21	14	12	9	0	0	0	0	0	0			
NYLMFIELD	9-9	30	17.2	9.9	13.5	-	21.4	29	4.3	21	14.3	12.3	60	65	18	13	12	9	0	0	0	0	0			
PERTH	9-9	23	18.4	9.8	14.1	-0.6	23.5	9	5.5	21	-	53	72	27	13	12	9	0	0	0	0	0	0			
STRATHMALLAN	9-9	41	16.1	10.0	14.1	-	22.8	9	4.1	21	-	48	26	14	13	12	9	0	0	0	0	0	0			
USAN	21-9	30	15.0	9.9	12.5	-	20.0	28	6.0	21	-	53	53	14	13	12	9	0	0	0	0	0	0			
WHITEHILLOCKS	9-9	258	16.2	8.0	12.1	-	21.0	9	3.8	11	-	95	90	42	13	12	9	0	0	0	0	0	0			
FIFE																										
BELLISTON	9-9	82	16.2	9.5	12.9	-	20.0	28	5.3	21	14.3	-	99	133	25	25	13	12	0	0	0	0	0	0		
CUPAR	9-9	36	17.3	9.5	13.4	-	21.8	9	4.1	21	15.0	-	63	23	3	13	12	0	0	0	0	0	0	0		
GLENROTHES	9-9	117	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0			
LEUCHARS	21-9	10	17.0	9.8	13.4	-1.1	21.1	9	4.4	21	-	66	99	23	3	16	12	0	0	0	0	0	0			
PITRUVIE	21-9	40	17.4	10.0	13.7	-	21.9	9.29	6.3	21	15.1	-	59	84	17	25	3	16	11	0	0	0	0	0		
ST ANDREWS	9-9	18	16.7	10.3	13.5	-	21.0	9	6.5	21	14.6	12.9	66	102	20	3	16	11	0	0	0	0	0	0		
LOTHIAN																										
BUSH HOUSE	9-9	184	16.0	9.2	12.6	-	22.3	28	5.9	13	13.9	12.8	55	63	20	3	14	10	0	0	0	0	0	0		
DUNBAR	9-9	23	16.5	10.2	13.3	-0.9	21.9	28	7.3	7	5-7	-	50	107	16	3	16	10	0	0	0	0	0	0		
EDINBURGH																										
EARL CRAIGS	9-9	61	16.8	9.2	13.0	-	21.4	29	5.6	7	14.6	-	55	87	20	3	13	9	0	0	0	0	0	0		
ROYAL BOTANIC GARDEN	9-9	26	17.1	10.4	13.7	-1.0	22.3	9	7.3	13	15.4	-	65	87	20	3	13	11	0	0	0	0	0	0		
ROYAL OBSERVATORY																										
BLACKFORD HILL	9-9	134	17.0	9.8	13.4	-1.1	21.0	29	7.2	7	-	69	92	29	3	14	9	0	0	0	0	0	0	0		
TURNHOUSE AIRPORT	21-9	35	17.4	9.8	13.6	-0.8	22.0	9	5.6	7	-	54	75	18	3	13	10	0	0	0	0	0	0	0		
HODDINGTON	9-9	49	17.1	9.7	13.4	-	22.5	29	5.5	7	-	64	105	25	4	16	11	0	0	0	0	0	0	0		
LIVINGSTON	9-9	125	17.0	9.0	13.0	-	21.4	31	5.3	15	15.1	-	65	65	21	3	15	11	0	0	0	0	0	0		
MURRAY ROBBIE	9-9	195	15.6	9.0	12.3	-	21.1	29	5.2	7	-	74	24	4	16	12	0	0	0	0	0	0	0			
PATERSON	9-9	131	16.5	9.4	12.9	-	22.5	29	6.0	7	13.6	-	64	23	3	14	11	0	0	0	0	0	0	0		
PENICUICK	9-9	169	16.9	8.5	12.7	-1.1	21.2	29	4.5	11	14.5	-	57	66	21	3	14	11	0	0	0	0	0	0		
BORDERS																										
BLYTHE BRIDGE	9-9	253	16.0	8.5	12.3	-	21.6	13	4.8	6	-	50	63	13	3	15	12	0	0	0	0	0	0	0		
BLYTHE	9-9	262	16.2	8.1	12.1	-	21.6	13	5.6	13	-	51	63	9	4	16	11	0	0	0	0	0	0	0		
BONCHESTER BRIDGE	9-9	146	17.5	8.4	12.9	-	23.0	13	4.3	11	-															

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

2001 RELEASE UNDER E.O. 14176 - JULY 1978

JULY 1978

DISTRICT AND PLACE	MAX. MIN. MEHTY OF ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C						MEAN EARTH TEMPERATURE		RAINFALL (TERMINAL H 09 GNT)			WEATHER (NUMBER OF DAYS)						BRIGHT SUNSHINE			
		MEANS OF		HIGHEST MAXIMUM	LOWEST MINIMUM	30 CH DEGREES C		100 CH DEGREES C		TOTAL FALL (MM)	PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY	PRECIP- ITATION	SNOW OR SLEET			THUNDER HEAVY			DAILY MEAN (HOURS)		
		MAX. (R)	MIN. (B)			HR.	DATE	MIN.	DATE					ICE PELLETS, ETC.	FOG AT 9H	AIR FROST	GROSS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	EXPOSURE		
5 SCOTLAND N																						
STRATHCLYDE	9.9	12	(17.4)	8.0	(13.2)	-	22.5	10	3.8	21	-	56	44	12	25	16	10	0	0	0		
RICHOLDFORCH	9.9	12	17.1	9.7	13.4	-	24.2	11	4.6	21	-	105	74	15	27	13	10	0	0	0		
RIOS	9.9	15	18.1	10.1	14.1	-	23.4	31	6.4	15	15.9	104	115	21	27	16	12	0	0	0		
RUCHINCRUIVE	9.9	15	20.5	7.4	11.4	-	20.9	11	3.1	7	-	63	84	20	25	16	15	0	0	0		
BENHOEYOUNGER	9.9	15	17.0	9.9	13.5	-0.8	22.5	10.11	5.1	21	13.7	12.4	47	58	10	22	14	10	0	0	0	
BOTANIC GARDEN	9.9	12	17.2	9.9	13.5	-	22.3	31	5.6	13	15.7	-	160	91	53	25	17	13	0	0	0	
BRODICK CASTLE	9.9	15	18.1	10.1	14.1	-	23.4	31	6.4	15	15.9	-	105	74	20	25	16	12	0	0	0	
CRAFS RESERVOIR	9.9	15	20.5	7.4	11.4	-	20.9	11	3.1	7	-	104	115	21	27	16	15	0	0	0		
CARLWATH	9.9	20	16.8	7.4	12.1	-	21.6	13	2.3	6	13.2	-	78	105	23	3	13	11	0	0	0	
COLONSAY	9.9	35	17.7	9.3	13.5	-	22.5	13	6.0	6.21	-	-	58	-	14	-	15	12	0	0	0	
CRAIGHOUSE	9.9	4	15.9	9.1	12.5	-	20.8	30	4.0	21	-	-	76	-	21	25	14	11	0	0	0	
CRAWFORDJONN	9.9	27	15.8	7.7	11.7	-	22.0	11	3.8	10	12.8	-	-	-	-	-	-	-	-	4.12	-	
CUNNOCK	9.9	99	17.0	8.2	12.6	-	22.9	10	2.2	21	15.0	-	59	-	21	3	16	8	0	0	5.04	
DUNSTRAFFEING	9.9	3	16.3	9.9	13.1	-	23.1	11	4.3	21	-	-	98	-	17	22	17	13	0	0	0	
EARL KILBRIDE	9.9	178	16.6	9.2	12.9	-	20.4	12.13	6.0	13	-	-	93	-	24	3	14	12	0	0	5.90	
GIRVAN	9.9	8	17.0	10.8	13.9	-	20.2	28.31	7.3	21	-	-	67	99	18	3	14	13	0	0	5.70	
GLASGOW																						
ROBBINSIN AIRPORT	21-9	5	16.2	9.5	13.9	-0.8	22.5	13	5.0	6	-	65	45	25	14	11	11	0	0	0	5.95	
SPRINGBURN PARK	9.9	107	17.6	9.8	13.7	-0.8	22.5	13	7.0	6.21	-	-	59	60	14	25	15	12	0	0	5.69	
WEATHER CENTRE (X)	21-9	40	17.9	11.1	14.5	-	22.4	13	8.0	6	-	58	-	18	3	13	10	0	0	0	5.49	
GREENOCK	9.9	61	-	-	-	-	-	-	-	-	-	64	58	21	22	11	9	-	-	0	5.39	
HELENSBURGH	9.9	96	16.8	9.3	13.1	-1.2	21.4	13	6.0	15	-	55	51	16	25	13	9	-	-	0	5.26	
HUNTERSTON	9.9	8	16.8	10.5	13.7	-	21.8	31	8.1	6	-	63	-	22	25	13	9	-	-	0	6.43	
KILDONAN	9.9	18	16.5	9.5	13.0	-	22.0	31	6.0	6	-	77	-	14	25	19	11	-	-	0	0	
KINPORAIE FOREST	9.9	12	17.0	8.9	12.9	-	22.7	11	2.2	21	-	91	-	31	-	15	12	-	-	0	0	
LEADHILLS	9.9	388	14.9	7.6	11.3	-	21.1	11	3.1	6.21	-	130	111	39	27	18	10	-	-	0	0	
MACHRIHANISH	21-9	10	15.6	10.3	12.9	-	20.0	10	6.4	21	-	74	84	24	25	16	14	-	-	0	5.48	
HILLPORT	9.9	5	16.9	10.1	13.5	-	22.8	31	7.0	6	-	61	67	20	25	15	11	-	-	0	0	
PRISLEY	9.9	32	16.2	10.7	14.5	-0.6	22.1	13	7.4	6	15.1	13.4	72	89	15	25	14	11	-	-	5.54	
PRESTWICK	21-9	16	17.1	9.7	13.4	-	23.1	10	3.8	21	-	52	62	11	22	15	12	-	-	0	5.73	
RHUARAIL	21-9	20	14.8	10.4	12.6	-	19.8	10	8.4	3	-	99	92	27	25	15	12	-	-	0	0	
ROTHESAY	9.9	13	17.1	9.9	13.5	-	22.5	31	6.5	21	13.2	11.6	92	81	21	25	14	13	-	-	0	0
SLOTY	21-9	12	17.4	10.2	13.8	-	22.1	13	4.7	21	-	133	-	33	27	15	11	-	-	0	0	
STRONACHULLIN	9.9	2	16.5	10.1	13.3	-	21.5	11	5.5	21	-	125	-	50	25	15	12	-	-	0	0	
TIREE	21-9	9	15.1	10.3	12.7	-0.7	18.5	10	6.6	21	-	53	62	13	27	17	13	-	-	0	5.12	
UPPLANDMOOR	9.9	128	16.7	8.5	12.6	-	21.4	12	3.0	21	-	122	-	23	25	14	12	-	-	0	0	
CENTRAL																						
ACROCHYNOE	9.9	30	-	9.4	-	-	-	-	5.4	6	14.0	-	86	-	27	25	12	9	-	-	5.99	
CALLANDER	9.9	107	18.4	8.2	13.3	-	24.0	13	3.3	21	-	119	107	34	27	14	12	-	-	0	0	
EARLS HILL	21-9	335	15.5	7.9	11.7	-	21.3	13	4.1	21	-	134	-	33	25	15	12	-	-	0	5.65	
FALKIRK	9.9	3	17.9	10.2	14.1	-	21.9	9	6.6	21	-	68	-	16	25	13	12	-	-	0	4.85	
GRANGEMOUTH	9.9	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	
PAIRKHEAD	9.9	107	16.3	9.7	14.0	-	23.0	13	5.0	21	15.5	-	82	-	27	3	11	10	-	-	0	0
STIRLING BATTERFLATTS	9.9	30	16.8	9.5	14.1	-	23.3	13	5.0	21	15.1	13.5	83	-	13	8	0	0	0	0	5.86	
DUMFRIES & GALLOWAY																						
BARRONENNA	9.9	110	17.1	7.9	12.5	-	22.0	11.12	2.0	21	-	111	109	38	25	19	12	0	1	2	-	
CLATTERSHAMS	9.9	178	16.9	8.1	13.8	-	23.3	13	3.7	21	-	100	77	38	25	13	13	0	0	0	5.29	
DUMFRICS	9.9	49	17.7	9.9	13.8	-0.7	23.7	13	4.3	21	14.8	13.3	49	58	21	25	10	9	0	0	4.80	
DUNDEOUE	9.9	119	17.5	8.4	12.9	-	23.1	11	0.7	21	13.3	-	91	92	29	25	14	10	0	0	0	
ESKDALEMUIR	21-9	242	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	
PSYCHROMETER																						
SCREEN	17.0	7.6	12.3	-0.8	23.0	13	2.1	6	13.2	11.7	94	85	25	22	17	13	0	0	1	0	4.58	
OTROSLOUGH	9.9	98	-	-	-	-	-	-	-	-	-	59	-	27	25	12	6	-	-	0	6.16	
GLENNIE	9.9	55	16.5	8.6	13.5	-0.9	24.8	13	2.2	21	-	84	86	32	25	10	9	0	4	0	0	
MENTON STEWART	9.9	17	18.2	9.5	13.9	-	24.7	13	3.3	21	-	60	64	27	25	15	8	0	0	0	0	
NEWTON STEWART	9.9	46	17.6	9.1	13.3	-	23.4	14	3.1	21	-	78	70	32	25	12	9	0	0	0	0	
PRINELUR	9.9	18	17.4	9.1	13.3	-	23.1	13	3.0	21	-	75	79	30	25	12	9	0	0	0	0	
THREVE	9.9	73	18.2	9.5	13.9	-	24.1	13	4.2	21	15.2	-	60	63	28	25	13	9	0	0	0	
TYNE & WEAR																						
CHOPWELL WOOD	9.9	136	17.3	9.0	13.5	-1.1	24.0	29	6.0	4.10.21	-	-	71	108	16	30	15	10	0	0	0	
NEWMCASTLE																						
WEATHER CENTRE (X)	21-9	74	17.2	10.8	14.0	-	22.9	27	7.1	11	-	56	-	15	30	14	10	0	0	0	4.80	
TYNEBOUTH	21-9	30	15.8	10.9	13.3	-1.4	23.0	27	7.2	4	-	59	99	17	30	13	11	0	0	0	4.47	
WASHINGTON	9.9	29	17.1	10.0	13.5	-	22.4	27	6.0	21	14.6	13.3	67	-	15	4	14	11	0	0	4.79	

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

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JULY 1978

DISTRICT REGION/COUNTY AND PLACE	MAX. MIN. TERMINAL HIGH/T MIN. HEIGHT OF STATION ABOVE MSL	AIR TEMPERATURE IN DEGREES C						MEAN EARTH TEMPERATURE	RAINFALL (TERMINAL H 09 GHT)			WEATHER (NUMBER OF DYS)						BRIGHT SUNSHINE										
		MEANS OF		DAILY MEAN (MEAN OF A DAY)	DIFFERENCE FROM 1951-70 AVERAGE	HIGHEST MAXIMUM	LOWEST MINIMUM		100 CM DEGREES C	TOTAL FOLL (MM)	PERCENTAGE OF 1951-70 AVERAGE	MOST IN A DAY	PRECIP- ITATION	0-2 MM OR MORE	1-2 MM OR MORE	SNOW OR SLEET	ICE PELLETS, ETC.	THUNDER HURD	FOG AT 9H	AIR FROST	GRASS MIN. OR MORE BELOW 0 DEG C	CONCRETE MIN. OR MORE BELOW 0 DEG C						
		MAX. HR.	MIN. HR.																									
2 ENGLAND E & NE -CONTINUED																												
DURHAM	9 9 9	102	17.8	9.8	13.8	-1.1	23.2	29	6.1	10	15.1	13.4	61	107	16	30	15	9	0	0	0	0	0	4.49	90	5		
LOW ETHERLEY	9 9 9	155	17.3	8.5	12.9	-	24.3	29	4.5	21	13.4	11.2	66	-	15	30	12	11	0	0	0	0	0	0	5.12	-	-	
WIDDOP FELL	9 9 9	513	14.7	7.2	10.9	-	20.0	29	3.6	12	10.7	-	63	-	13	25	10	-	0	0	0	0	0	0	0	-	-	
CLEVELAND																									4.90	-	-	
HARTBURN GRANGE	9 9 9	31	18.1	9.6	13.9	-	23.5	27	4.4	11	-	-	79	143	21	30	16	11	0	0	0	0	0	0	4.25	-	-	
HARTEPOOL	9 9 9	9	17.2	10.9	14.1	-1.4	23.8	27	8.0	4	-	-	71	116	19	30	13	13	0	0	0	0	0	0	4.65	-	-	
NORTH YORKSHIRE																									4.25	-	-	
ASKHAM BRYAN	9 9 9	33	18.6	9.4	14.0	-	24.8	13	6.1	11	-	-	111	209	30	29	16	15	0	0	0	0	0	0	4.48	86	-	
CAMBOO	9 9 9	6	18.3	10.0	14.1	-	26.2	29	5.9	11	15.3	14.4	108	200	21	30	15	13	0	0	0	0	0	0	4.48	-	-	
HIGH MONTHORPE	9 9 9	175	17.0	-	-	-	21.3	29	-	-	14.6	-	120	176	29	29	16	14	0	0	0	0	0	0	4.34	-	-	
LEENING	21-9	32	18.6	10.6	14.6	-	25.0	29	6.6	10	15.3	13.7	65	139	20	50	13	9	0	0	0	0	0	0	4.90	-	-	
MALHAM TARN	9 9 9	395	-	-	-	-	-	-	-	-	-	-	85	70	15	25	16	16	0	0	0	0	0	0	4.90	-	-	
PICKERING	9 9 9	44	18.5	9.1	13.8	-	23.1	27	3.9	12	-	-	106	180	37	29	16	14	0	0	0	0	0	0	4.25	-	-	
SCARBOROUGH	9 9 9	52	17.1	10.5	13.8	-	23.6	27	7.0	11	15.2	13.6	111	199	21	29	16	14	0	0	0	0	0	0	4.48	87	-	
SILPH MOOR	9 9 9	203	16.6	9.0	12.8	-	22.4	27	4.8	11	13.0	-	129	167	27	29	17	14	0	0	0	0	0	0	4.82	-	-	
SWALIETHOLME	9 9 9	290	15.9	7.9	11.9	-	23.3	17	2.4	11	12.9	-	76	-	17	27	18	14	0	0	0	0	0	0	4.49	-	5	
WHITBY	9 9 9	41	17.2	10.2	13.7	-	23.6	27	4.9	11	-	-	108	23	31	15	11	0	0	0	0	0	0	0	5.31	-	-	
WHITBY(COASTGUARD)	21-9	60	16.4	10.1	13.3	-	23.6	27	5.1	11	-	-	102	-	27	29	15	10	0	0	0	0	0	0	2.2	-	-	
YORK(HESLINGTON)	9 9 9	19	18.5	9.9	14.2	-	24.3	29	7.2	4	15.2	14.1	97	186	24	29	15	13	0	0	0	0	0	0	4.65	-	-	
HUMBERSIDE																									4.75	60	-	
BRIDLINGTON	9 9 9	48	16.4	9.6	13.0	-	23.6	27	5.1	11	-	-	76	117	12	4	15	12	0	0	0	0	0	0	4.75	60	-	
CLEETHORPES	9 9 9	7	17.8	11.2	14.5	-1.5	25.1	27	7.6	11	-	-	40	76	8	29	15	12	0	0	0	0	0	0	4.57	83	-	
HULL	9 9 9	2	19.0	11.0	15.0	-1.3	24.7	27	6.7	11	16.3	14.3	69	119	19	29	17	14	0	0	0	0	0	0	4.57	83	-	
LINCOLNSHIRE																									4.08	-	-	
BINBRIDGE	21-9	108	17.2	9.8	13.5	-	23.3	27	5.3	11	-	-	68	97	10	29	18	16	0	0	0	0	0	0	6.02	99	-	
CAISTER	9 9 9	21	18.2	9.5	13.9	-	23.7	27	4.1	11	-	-	71	-	16	29	15	13	0	0	0	0	0	0	4.94	76	5	
CRAWFELL	9 9 9	62	18.4	10.3	14.3	-1.6	24.2	27	6.1	10	16.5	15.5	58	103	8	1	17	12	0	0	0	0	0	0	4.75	82	-	
KIRTON	9 9 9	45	18.5	10.0	14.3	-	24.0	28	5.9	10	15.0	12.9	53	-	7	23	14	13	0	0	0	0	0	0	4.66	-	-	
LINCOLN	9 9 9	6	18.7	10.2	14.5	-1.4	24.8	29	3.9	11	15.5	14.0	59	-	16	29	13	12	0	0	0	0	0	0	4.35	-	-	
SKEWNESS	9 9 9	5	17.2	11.4	14.3	-1.6	24.1	27	8.0	1	-	-	75	132	29	29	16	11	0	0	0	0	0	0	5.00	83	-	
SUTTON BRIDGE	9 9 9	4	-	-	-	-	-	-	-	-	-	-	76	129	30	30	15	13	0	0	0	0	0	0	4.50	76	-	
WADDINGTON	21-9	68	18.4	10.5	14.5	-1.4	24.7	29	6.4	10	-	-	60	110	11	29	15	13	0	0	0	0	0	0	4.51	78	-	
3 EAST ANGLIA																									3.66	-	-	
NORFOLK																									3.64	60	-	
COLTISHALL	21-9	17	18.6	11.0	14.8	-	25.7	27	7.9	12	-	-	68	114	31	29	16	11	0	0	0	0	0	0	6.02	99	-	
CROMER	9 9 9	54	18.2	11.0	14.6	-1.3	25.4	29	6.0	10	-	-	64	102	16	3	14	14	0	0	0	0	0	0	4.94	76	5	
GARLESTON	9 9 9	2	17.7	12.0	14.9	-1.2	23.1	28	9.0	12	1.3	16.0	14.2	30	54	6	4	14	9	0	0	0	0	0	0	4.15	-	-
MARSH	21-9	23	19.0	10.9	14.9	-	25.0	27	7.4	10	-	-	64	-	14	29	17	11	0	0	0	0	0	0	4.44	-	-	
MORLEY ST BOTOLPH	9 9 9	46	18.6	10.3	14.5	-	25.0	29	5.3	10	15.9	-	71	-	18	29	15	13	0	0	0	0	0	0	4.01	-	-	
SANTON DOWNHAM	9 9 9	24	19.1	10.3	14.7	-	25.4	29	3.0	10	15.0	13.6	65	143	29	29	16	11	0	0	0	0	0	0	4.29	-	-	
SCOLE	9 9 9	27	19.5	11.1	15.3	-	26.5	28	7.3	10	16.4	15.4	37	-	7	30	15	12	0	0	0	0	0	0	4.29	-	-	
TERRINGTON ST CLEMENT	9 9 9	3	19.1	10.1	14.6	-1.5	24.5	27	5.5	10	15.6	-	68	129	12	23	15	12	0	0	0	0	0	0	4.51	78	-	
CAMBRIDGE																									3.66	-	-	
BOTANIC GARDEN	9 9 9	12	19.6	11.1	15.3	-1.4	24.8	27	6.2	10	15.8	14.6	40	68	13	31	15	11	0	0	0	0	0	0	3.64	60	-	
NATIONAL INSTITUTE OF AGRICULTURAL BOTANY	9 9 9	24	19.5	10.0	14.7	-	24.5	29	6.0	10	-	-	37	63	11	31	11	9	0	0	0	0	0	0	3.64	60	-	
MARCH	9 9 9	2	-	-	-	-	-	-	-	-	-	-	70	-	12	31	16	12	0	0	0	0	0	0	3.45	-	-	
MARSHOLM	9 9 9	21	-	-	-	-	-	-	-	-	-	-	50	-	11	3	13	13	0	0	0	0	0	0	3.69	-	-	
REPAL	9 9 9	39	18.9	10.4	14.7	-	23.6	29	4.8	10	15.8	13.7	65	126	16	31	19	11	0	0	0	0	0	0	4.29	-	-	
MONKS MOOD	21-9	73	18.6	10.8	14.7	-	23.8	29	7.5	1	-	-	23	-	11	31	11	5	0	0	0	0	0	0	5.02	77	-	
WITTERING	21-9	40	19.1	11.1	15.1	-	24.5	27	6.0	10	-	-	70	140	30	29	12	9	0	0	0	0	0	0	4.24	-	-	
BEDFORDSHIRE																									3.93	-	-	
CARDINGTON	21-9	29	19.7	10.2	14.9	-	26.1	29	4.4	10	15.5	14.3	53	106	21	31	13	9	0	0	0	0	0	0	4.49	-	-	
LUTON																												

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

JULY 1978

DISTRICT REGION/COUNTY AND PLACE	MARK: TELEGRAPHIC MIN. NIN. HEIGHT OF STATION ABOVE海EL. (METRES)	AIR TEMPERATURE IN DEGREES C					MEAN EARTH TEMPERATURE C	RAINFALL (TERMINAL H 09 GMT)	WEATHER (NUMBER OF DAYS)					BRIGHT SUNSHINE													
		MEANS OF		DAILY MEAN (MEAN OF R+G)	HIGHEST MAXIMUM	LOWEST MINIMUM			30 CM DEGREES C	100 CM DEGREES C	TOTAL FALL (MM)	PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY	PRECIP- ITATION	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS ETC.	THUNDER HEAD	FOG AT 9H	AIR FROST	DRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DRASS MAX. BELOW 0 DEG C			
		HRSV. (R)	HRSV. (G)						MIN.	DATE					0.2 MM OR MORE	0.5 MM OR MORE	1.0 MM OR MORE	1.5 MM OR MORE									
4 MIDLAND COUNTIES																											
WEST YORKSHIRE																											
BRADFORD	...	9 9	134	17.7	10.4	14.1	-1.1	24.4	29	7.0	6	14.2	12.8	45	68	11	25	14	12	0	0	0	0	4.61	88	5	
BRAHMIN	...	9 9	54	18.3	9.5	13.9	-	24.1	29	5.1	11	-	-	89	157	17	30	16	14	0	0	0	0	-	-	-	
HUDDERSFIELD(DRAKES)	21-9	232	18.0	9.7	13.9	-1.2	25.7	29	6.8	4	13.0	10.8	49	63	10	31	15	11	0	0	0	0	0	-	-		
ILKLEY	...	9 9	83	18.4	10.1	14.3	-1.1	24.5	13	6.3	8	-	-	47	65	9	31	17	16	0	0	0	0	4.30	88	-	
PONTRIARFAT	...	9 9	78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0	0	-	-	-	
TOODMORDEN	...	9 9	160	17.0	9.9	13.5	-	23.0	29	6.0	10	-	-	81	19	19	25	17	15	0	0	0	0	0	-	-	
WILSDEN	...	9 9	262	16.6	9.3	12.9	-	23.5	29	6.0	4.6	-	-	55	-	12	31	10	15	0	0	0	0	0	-	-	
SOUTH YORKSHIRE																											
FINNINGLEY	...	21-9	10	19.0	10.2	14.6	-	26.2	29	4.9	11	-	-	83	150	28	29	15	12	0	0	0	0	0	4.08	-	
SCHEFFIELD	...	9 9	206	17.5	10.2	13.9	-1.4	24.4	29	7.3	4	-	-	57	-	10	29	15	13	0	0	0	0	0	-	-	
DORE	...	9 9	131	18.3	10.9	14.6	-2.0	26.0	29	7.9	13	15.3	13.8	59	98	11	29	14	12	0	0	0	0	0	4.86	94	
DERBYSHIRE																											
ASHOVER	...	9 9	178	18.1	10.3	14.2	-	24.6	29	6.4	12	-	-	67	-	17	29	15	13	0	0	0	0	0	4.85	-	
BUXTON	...	9 9	307	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0	0	0	4.70	5	
DERBY	...	9 9	48	19.2	11.4	15.3	-	25.7	29	7.7	10	-	-	60	106	16	29	14	11	0	0	0	0	0	4.80	5	
WINGERWORTH	...	9 9	116	18.1	9.3	13.7	-1.2	24.3	29	4.8	10	15.4	-	68	-	16	29	15	13	0	0	0	0	0	-	-	
NOTTINGHAMSHIRE																											
MANSFIELD	...	9 9	114	18.5	10.6	14.5	-1.4	25.0	29	6.5	10	-	-	71	-	23	29	18	15	0	0	0	0	0	-	-	
MEWTHORPE	...	9 9	58	18.8	7.8	13.3	-	25.0	29	2.2	10	-	-	60	-	13	29	15	14	0	0	0	0	0	4.92	-	
NOTTINGHAM	...	9 9	59	19.2	11.3	15.3	-1.2	25.6	29	8.0	4	15.9	14.5	55	99	25	29	14	12	0	0	0	0	0	5.03	93	
COTTON BONINGTON	...	9 9	48	19.1	9.6	14.3	-1.6	25.3	29	4.7	10	14.9	13.6	55	104	19	29	16	15	0	0	0	0	0	4.29	-	
MARSHOP	...	9 9	46	19.0	9.5	14.3	-1.2	25.6	29	4.5	10	-	-	72	136	25	29	15	11	0	0	0	0	0	4.38	83	
WATHALL	...	21-9	117	18.4	10.6	14.5	-1.2	25.3	29	7.5	10	-	-	65	104	19	29	16	12	0	0	0	0	0	-	-	
STAFFORDSHIRE																											
KEELE	...	9 9	179	17.0	10.2	13.6	-	22.7	29	7.2	4	14.2	12.3	82	117	12	25	17	12	0	0	0	0	0	4.32	5	
ORRICK	...	9 9	125	18.4	10.1	14.3	-1.0	24.1	29	6.3	10	15.4	-	72	113	22	29	17	14	0	0	0	0	0	-	-	
PENKIRIDGE	...	9 9	101	18.2	9.4	13.8	-	23.4	29	4.2	10	-	-	53	86	9	29	15	14	0	0	0	0	0	5.02	-	
STONE	...	9 9	107	17.6	10.1	13.9	-	23.0	29	5.0	10	-	-	64	98	11	27	16	14	0	0	0	0	0	-	-	
LEICESTERSHIRE																											
CALDECOTT	...	9 9	53	19.2	10.1	14.7	-	25.1	29	4.7	25	-	-	63	134	15	29	15	14	0	0	0	0	0	4.53	-	
NEWTON LTFORD	...	9 9	119	18.8	9.5	14.1	-	25.2	29	4.6	25	-	-	67	112	19	29	16	14	0	0	0	0	0	5.02	-	
SALOP																											
HAMPTON LODGE	...	9 9	70	19.4	10.3	14.9	-	24.5	29	5.6	7	-	-	100	-	28	29	13	11	0	0	0	0	0	5.71	-	
NEWPORT	...	9 9	64	18.7	10.4	14.5	-0.8	24.2	13	6.6	10	-	-	64	102	11	27	15	14	0	0	0	0	0	5.17	99	
OSWESTRY	...	9 9	174	17.8	10.8	14.3	-0.8	25.4	29	8.0	42.5	-	-	70	100	16	3	13	8	0	0	0	0	0	4.72	90	
PRESTON MONTFORD	...	9 9	67	-	-	-	-	-	-	6.7	7	16.4	14.6	71	-	14	31	17	14	0	0	0	0	0	-	-	
SHREWSBURY	...	21-9	72	18.5	10.6	14.5	-1.2	23.0	13.29	6.0	25	16.4	15.3	68	-	20	29	16	12	0	0	0	0	0	4.84	89	
WEST MIDLANDS																											
BIRMINGHAM																											
EDGBASTON	...	21-9	163	18.6	11.3	14.9	-1.1	25.3	29	7.4	4	12.7	-	84	127	23	29	16	11	0	0	0	0	0	5.11	97	
ELMDON AIRPORT	...	21-9	96	19.3	10.5	14.9	-1.0	25.2	29	4.8	10	-	-	79	-	35	29	16	11	0	0	0	0	0	5.19	91	
KING EDWARD'S SCHOOL	...	9 9	137	19.3	10.7	15.0	-	24.9	29	6.7	4	-	-	82	132	22	29	13	11	0	0	0	0	0	-	-	
COVENTRY AIRPORT	...	9 9	81	19.2	10.5	14.9	-	25.2	29	5.9	25	14.3	13.2	68	-	20	29	16	10	0	0	0	0	0	5.11	-	
WARRICKSHIRE																											
LOUDINGTON	...	9 9	56	19.8	10.5	15.1	-	25.2	29	6.1	7	-	-	91	-	30	29	15	11	0	0	0	0	0	4.76	-	
MORETON MORRELL	...	9 9	85	18.6	10.3	14.9	-	26.0	29	5.0	11	15.3	13.8	64	-	18	31	15	11	0	0	0	0	0	4.79	-	
RUGBY	...	9 9	116	19.4	10.8	15.1	-1.0	25.0	29	7.3	11	16.4	14.9	64	110	17	29	14	11	0	0	0	0	0	-	-	
SHIPSTON-ON-STOUR	...	9 9	111	19.4	10.7	15.3	-0.7	25.2	29	6.0	25	15.6	-	113	199	38	29	16	13	0	0	0	0	0	4.54	79	
STRATFORD-UPON-AVON	...	9 9	49	20.0	9.9	14.9	-1.2	25.7	29	4.0	7	-	-	89	160	33	29	15	10	0	0	0	0	0	4.31	77	
WELLESBOROUGH	...	9 9	47	19.9	10.4	15.1	-	26.3	29	5.7	10	15.5	14.2	112	216	53	29	13	8	0	0	0	0	0	5.31	-	
BUCKINGHAMSHIRE																											
BUDBROOK MILLS	...	9 9	76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0	0	0	-	-	
MOUTON PARK	...	9 9	122	18.7	10.5	14.6	-1.4	24.2	29	7.2	10	15.3	13.8	64	-	18	31	15	11	0	0	0	0	0	5.14	5	
RRUNDS	...	9 9	59	19.5	10.4	14.9	-	25.7	29	5.0	10	15.6	13.6	71	134	17	31	16	12	0	0	0	0	0	5.41	62	
HEREFORD & WORCESTER																											
ASTWOOD BANK	...	9 9	139																								

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

DISTRICT REGION/COUNTY AND PLACE	TERMINAL HEIGHT MIN. OF OBSERVATION HEIGHT ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C						MEAN EARTH TEMPERATURE DEGREES C	RAINFALL (TERMINAL H 09 GRT)	WEATHER (NUMBER OF DAYS)						BRIGHT SUNSHINE EXPOSURE							
		MEANS OF		DAILY MEAN (MEAN OF R+G)	HIGHEST MAX.	LOWEST MIN.	DATE			TOTAL FALL (MM)	PERCENTAGE OF 1941-70 AVERAGE	HOT IN A DAY	PRECIP- ITATION	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS-ETC.	THUNDER HURD	FOG AT 9H	AIR FROST			
		MAX. (R)	MIN. (B)																				
5 ENGLAND SE & CENTRAL S. GREATER LONDON																							
BROOKLYN ***	9 9	65	19.9	12.2	16.1	-1.2	27.0	28	9.0	14.10	-	-	77	146	51	31	12	6	0	0	0		
GREENWICH ***	9 9	7	(20.2)	(12.9)	(16.5)	-1.2	26.9	28	8.5	1	-	-	59	109	41	31	10	0	0	0	0		
HAMPTON ***	9 9	137	19.5	11.6	15.5	-1.2	26.0	28	8.1	4	-	-	59	91	39	31	16	10	0	0	0		
HARROW MEAD ***	9 9	12	-	-	-	-	-	-	-	-	-	-	69	104	104	104	104	104	0	0	0		
HEATHROW AIRPORT	9 9	98	19.8	11.0	15.4	-0.8	25.5	29	7.0	1	16.2	14.9	53	29	31	12	10	0	0	0	0		
KENSINGTON PALACE	9 9	25	20.5	12.7	16.6	-0.8	26.1	28	8.8	4	-	-	65	113	25	31	13	10	0	0	0		
KEN	21-9	5	-	-	-	-	-	-	-	-	-	-	80	141	55	31	13	8	-	0	0	0	
PSYCHROMETER ***			19.7	11.6	15.7	-	25.1	28.29	5.3	25	15.5	13.7	66	114	31	31	14	8	0	0	1		
NORTH WALL SCREEN			20.2	12.6	16.4	-1.1	26.6	29	7.9	5	-	-	80	141	31	31	14	8	0	0	5.02		
LONDON			-	-	-	-	-	-	-	-	-	-	80	141	31	31	14	8	0	0	79		
WEATHER CENTRE (X)	21-9	77	20.1	13.6	16.9	-	26.4	28	10.1	4	-	-	47	-	30	31	11	7	0	0	0		
ST JAMES PARK ***	9 9	9	20.4	13.1	16.7	-	26.2	29	9.2	4	-	-	56	97	35	31	13	7	0	0	0		
SOUTHGATE ***	9 9	67	(19.6)	11.9	(15.7)	(-1.4)	25.5	29	8.0	11	15.4	-	35	31	12	11	0	0	0	0	0		
MADDON ***	9 9	59	19.9	12.1	15.9	-1.2	26.0	28	8.0	25	-	-	80	141	55	31	13	8	-	0	0		
WILTSHIRE																							
BOScombe DOWN ***	21-9	126	19.0	10.8	14.9	-1.2	25.2	14	5.7	25	-	-	68	145	26	31	12	9	0	0	0		
LACOCK ***	9 9	49	19.3	10.8	15.1	-	25.3	29	5.4	7	-	-	108	36	31	14	10	0	0	0	0		
CHEAM HILL ***	9 9	152	19.1	10.8	14.9	-1.0	25.0	29	5.8	25	-	-	92	187	30	31	13	12	0	0	0		
LYNNHAM ***	21-9	145	18.8	11.2	15.0	-0.9	24.6	29	7.1	7	-	-	98	185	31	31	14	10	0	0	0		
PORTON ***	9 9	111	19.1	10.3	14.8	-1.0	25.4	29	5.3	25	15.3	-	76	154	38	31	15	9	0	0	0		
TROMBRIDGE ***	9 9	57	19.9	11.6	15.7	-	26.2	14	6.1	25	16.3	-	100	38	31	12	9	0	0	0	0		
UPPINGHAM ***	21-9	179	18.9	10.9	14.9	-	24.6	14	6.1	25	-	-	90	166	30	31	13	9	0	0	0		
BERKSHIRE																							
ERTHWAITE STEREO ***	9 9	77	19.5	10.6	15.1	-	25.2	29	3.9	25	14.9	13.6	59	51	25	31	13	9	0	0	4.75		
MURLEY ***	9 9	43	16.9	11.1	15.5	-	26.1	29	6.0	25	16.2	-	65	105	31	31	12	9	0	0	4.58		
LOWDUNBURN WARREN FARM)	9 9	192	18.7	10.1	14.4	-	24.1	29	5.6	25	15.5	-	35	29	31	13	11	10	0	0	0		
READING ***	9 9	66	19.6	11.5	15.5	-	25.9	29	4.9	25	15.7	14.0	71	-	31	31	11	10	0	0	4.65		
SHWIFIELDIN-I.R.D.O.I. ***	9 9	62	19.3	11.3	15.5	-	25.8	29	6.5	25	-	-	60	-	25	31	12	10	0	0	4.16		
SURREY																							
WISLEY ***	9 9	32	20.3	11.2	15.7	-1.2	25.9	28	5.5	25	16.3	14.8	50	77	27	31	14	7	0	0	1		
KENT																			1	0	0		
DOVER R.N.S.																			0	0	0		
DUNGENESS ***	9 9	123	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
EAST HAILING ***	9 9	6	17.7	12.8	15.3	-	19.9	28	9.0	1	-	-	49	93	15	31	10	7	0	0	0		
EDENBOROUGH ***	9 9	52	18.6	11.2	15.4	-1.1	26.1	29	6.9	1.10	16.1	14.6	68	121	30	31	12	5	0	0	0		
ELSTON ***	9 9	45	18.5	10.7	15.1	-	25.4	29	5.5	25	-	-	47	108	31	31	12	5	0	0	0		
FARNHAM ***	9 9	5	18.8	10.6	15.2	-	28.8	28	5.5	17	-	-	52	96	15	31	12	5	0	0	0		
FOLKESTONE ***	9 9	40	18.4	11.4	15.4	-	25.5	28	7.1	10	15.5	14.4	26	174	32	31	15	10	0	0	0		
GILL INCHIN ***	9 9	31	18.6	11.6	15.9	-	24.0	29	6.1	17	-	-	15	17.0	16	16	45	44	0	0	0		
GOUDHURST ***	9 9	85	20.5	12.5	16.5	-	27.6	28	8.5	25	10.17	-	80	154	(50)	31	11	11	0	0	0		
HODSON COLLEGE ***	9 9	27	19.0	10.9	14.9	-1.2	24.5	28	6.5	1	-	-	60	99	19	29	11	10	0	0	0		
HERNE BAY ***	9 9	27	19.7	10.2	14.9	-	25.9	28	5.7	1	15.9	14.5	72	34	31	10	10	9	0	0	0		
HANSTOM ***	21-9	44	18.9	12.0	15.5	-	25.8	28	8.8	1	-	-	28	53	9	31	12	7	0	0	0		
HORRIDGE ***	9 9	16	16.8	13.1	15.7	-1.5	24.1	28	9.7	4	16.3	14.8	28	60	9	31	12	6	0	0	0		
ULCOMBE ***	21-9	47	18.8	13.3	15.7	-1.5	26.2	28	6.0	1	-	-	36	38	31	13	12	6	0	0	0		
YME ***	9 9	56	19.3	10.9	15.1	-1.4	24.4	28	6.6	25	15.6	14.3	91	154	54	31	16	6	0	0	0		
HAMPSHIRE																			0	0	0		
ALICE LODGE HOTEL ***	9 9	115	19.2	10.9	15.1	-1.0	24.7	16	5.6	25	-	-	65	100	22	30	13	11	0	0	0		
EVERTON ***	9 9	16	18.5	11.7	15.1	-	24.7	14	6.0	25	-	-	91	171	49	31	13	11	0	0	0		
HOYLING ISLAND ***	9 9	6	19.2	12.9	16.3	-	26.1	14	9.0	25	-	-	71	143	32	31	12	9	0	0	0		
LECKFORD ***	9 9	117	19.3	10.4	14.9	-1.2	25.5	29	5.6	25	16.8	-	70	123	32	31	12	9	0	0	0		
LONG SUTTON ***	9 9	145	19.2	10.9	15.1	-	24.8	29	7.4	11	16.8	13.8	112	173	60	30	14	10	0	0	0		
HARTYR MORTHY ***	9 9	94	19.4	10.7	15.1	-	25.5	29	4.9	25	14.9	12.5	61	107	21	31	13	10	0	0	0		
SOUTHWOLD ***	9 9	3	19.7	12.6	16.1	-1.2	26.8	16	8.2	25	16.8	15.5	81	-	43	31	11	10	0	0	0		
RYDE ***	9 9	4	19.2	13.2	16.2	-1.1	25.1	14	9.4	25	-	-	97	187	43	31	11	10	0	0	0		
ST CATHERINES POINT ***	9 9	16	16.9	12.7	14.8	-1.3	23.4	16	9.5	7	-	-	76	139	32	31	13	7	0	0	0		
SANDOWN ***	9 9	4	18.6	12.5	15.5	-1.5	25.1	14	6.8	25	-	-	99	183	53	31	11	11	0	0	0		
SHANKLIN ***	9 9	55	17.9	12.2	15.1	-1.8	26.2	14	8.2	25	-	-	97	149	46	31	13	9	0	0	0		
VENTNOR ***	9 9	135	17.5	12.3	14.9	-1.4	21.9	14	8.9	4	16.3	-	101	166	46	31	13	10	0	0	0		
WEST SUSSEX																			0	0	0		
BOGOR REGIS ***	9 9	7	18.2	12.9	15.5	-0.9	20.7	19	9.2	4	-	-	15.1	69	130	29	31	12	9	0	0	0	
FERNHURST ***	9 9	57	19.6	10.9	15.3	-0.8	25.0	14	4.9	25	16.4	-	67	109	21	31	11	10	0	0	0		
GATWICK AIRPORT	21-9	59	19.9	11.1	15.5	-0.7	25.8	29	5.0	25	-	-	59	99	32	31	13	7	0	0	0		
HURSTPOINT ***	9 9	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0		
LITTLEHAMPTON ***	9 9	5	18.5	12.2	15.3	-1.2	21.9	29	8.0	4	-	-	15.2	81	47	31							

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

JULY 1978

DISTRICT REGION/COUNTY AND PLACE	AIR TEMPERATURE IN DEGREES C										MEAN EARTH TEMPERATURE	RAINFALL (TERMINAL H 09 GNT)	WEATHER (NUMBER OF DAYS)					BRIGHT SUNSHINE						
	MEANS OF		HIGHEST MAX.	LOWEST MIN.	MEAN DEGREES C		100 CM DEGREES C		MOST IN A DAY	PRECIP- ITATION			SNOW OR SLEET		SNOW LYING AT 9H		HAIL	ICE PELLETS-ETC.	THUNDER HURD	FOG AT 9H	AIR FROST	DRASS MIN. O DEG C CONCRETE MIN. O DEG C		
	HMX. (H)	MIN. (L)			DAILY MEAN (MEAN OF 24H)	Difference FROM 100-170 AVERAGE	MAX.	DATE					DAILY AMOUNT	DATE	ON GROUND IN HOURS	ON GROUND IN HOURS								
7A ENGLAND N.W. & I.O.M.																								
CUMBRIA																								
CARLISLE	...	...	21-9	26	18.2	10.2	14.2	-	23.0	11	4.9	21	15.9	14.5	48	58	16	1	13	7	0	5.12		
CHIRK	...	...	9-9	95	17.7	9.5	13.6	-	22.4	13	5.1	4	79	27	22	13	11	0	0	0	0	0		
DEERLAKE	...	...	9-9	91	17.9	7.8	12.9	-	23.0	13	3.3	21	13.9	10.7	81	60	25	22	15	11	0	5.39		
DOOR HOUSE	...	...	9-9	556	13.8	6.2	10.0	-	19.2	13	1.7	10.11	10.7	94	69	15	4	19	16	0	5.62			
NEWTON RIGG	...	...	9-9	171	17.5	9.4	13.5	-0.8	23.1	13	5.5	10	15.5	10	40	74	8	31	13	11	0	105		
SELLAFIELD	...	...	9-9	13	17.1	11.3	14.2	-	21.0	10	8.4	6	-	-	71	85	22	26	14	11	0	5.78		
LANCASHIRE																								
HAZELHILL	...	...	9-9	95	16.7	10.4	13.5	-	21.2	27	6.4	4	-	-	63	17	1	16	11	0	0	5.22		
HELISHIWE	...	...	9-9	260	16.0	9.8	12.9	-	21.0	29	6.8	11	13.2	-	117	92	23	25	17	16	0	4.98		
KIRKHAM	...	...	9-9	24	17.1	10.7	13.9	-	21.5	12	7.0	10	-	-	60	75	16	22	15	10	0	5.26		
MORCHESTER	...	...	9-9	7	18.1	11.9	15.0	-0.7	22.6	10	8.8	4	-	-	68	79	11	1	16	10	0	102		
PRESTON	...	...	9-9	33	16.7	11.0	14.3	-	22.2	27	6.3	4	-	-	69	59	12	25	17	13	0	4.65		
SLALDBURN	...	...	9-9	192	16.8	9.0	12.9	-	23.5	13	4.5	2	-	-	76	104	18	25	15	12	0	5.41		
SQUIRES DALE AIRPORT	...	...	21-9	10	17.5	11.2	14.3	-1.2	23.3	27	6.0	11	-	-	78	117	18	31	15	12	0	89		
STONYHURST	...	...	9-9	115	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
HERSEYSHIRE																								
RIBBOROUGH	...	...	9-9	12	17.8	11.9	14.9	-	22.6	12	8.4	4	-	-	89	19	3	17	12	0	0	4.48		
BOSTON	...	...	9-9	60	16.9	11.8	14.3	-	22.7	27	8.4	4	-	-	89	17	31	15	12	0	0	4.70		
ST HELENS	...	...	9-9	76	18.1	10.9	14.5	-	23.6	27	7.5	4	16.1	-	86	14	25	15	14	0	0	4.76		
SOUTHPORT	...	...	9-9	5	17.0	10.8	13.9	-1.6	21.8	27	6.4	10	15.2	12.4	84	119	14	25	15	11	0	4.97		
WEST KIRBY PARK	...	...	9-9	7	18.0	12.2	15.1	-1.0	23.4	12	9.4	17	-	-	78	117	18	31	15	12	0	84		
GREATER MANCHESTER																								
BOLTON	...	...	9-9	107	17.1	10.6	13.9	-	22.3	29	6.0	11	13.8	12.6	114	-	23	25	17	14	0	0		
MANCHESTER																					0	4.46		
RINGWORTH AIRPORT	...	...	21-9	75	17.7	11.1	14.4	-1.3	23.2	29	6.7	10	-	-	56	74	9	25	16	12	0	93		
WEATHER CENTRE (X)	...	...	21-9	69	18.1	12.0	15.1	-	24.5	29	8.8	4	-	-	70	-	12	25	16	13	0	4.73		
CHESTER																								
KNUTSFORD	...	...	9-9	65	18.3	10.3	14.3	-	24.1	29	6.2	10	15.2	14.1	67	86	10	25	17	14	0	0		
MARPLEFIELD	...	...	9-9	152	17.5	10.5	14.0	-1.4	23.2	27	7.3	10	15.7	14.1	86	97	15	1	19	15	0	0		
NESS GRANGE	...	...	9-9	30	17.7	11.0	14.3	-1.0	23.0	27	7.9	11	15.7	-	78	120	24	31	17	11	0	4.43		
ISLE OF MAN																								
DOUGLAS	...	...	9-9	85	16.0	10.3	13.1	-1.2	21.9	13	7.1	4	-	-	78	101	40	25	12	10	0	0		
POINT OF AYRE	...	...	21-9	9	17.3	10.9	14.1	-1.0	21.1	29	9.2	30	-	-	66	78	15	25	13	8	0	101		
RONALDSAY AIRPORT	...	...	21-9	16	16.2	10.6	13.4	-0.9	21.5	13	8.1	21	-	-	70	121	35	25	13	9	0	100		
7B WALES N.																								
Gwynedd																								
BALA	...	...	9-9	163	17.4	9.5	13.5	-	22.5	13	3.9	12	15.1	13.9	73	93	14	22	16	12	0	4.51		
BARDSEY ISLAND	...	...	21-9	15	15.0	11.5	13.3	-	17.5	10	9.5	3.4	-	-	79	130	19	23	12	11	0	-		
BETHS-Y-COED	...	...	9-9	20	-	-	-	-	-	-	6.3	7	15.5	-	68	-	23	22	15	12	0	4.97		
BOTHHNOG	...	...	9-9	35	16.7	10.6	13.7	-	20.3	13	7.3	17	16.0	14.7	87	114	18	25	12	11	0	-		
CHYBOSTROMLYN	...	...	9-9	204	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Llyn ALM	...	...	9-9	44	16.4	10.4	13.4	-	22.0	12	7.0	4	-	-	93	-	17	25	14	11	0	4.67		
PEN-Y-FRIDD	...	...	9-9	84	17.3	10.7	14.0	-	22.2	11	7.1	7	-	-	105	125	21	1	15	12	0	4.09		
TRANSYNYDD	...	...	9-9	193	-	-	-	-	-	-	-	-	-	-	142	110	32	1	15	12	0	-		
VALLEY	...	...	21-9	10	16.6	11.4	14.0	-1.1	20.8	13	8.6	13	-	-	70	115	15	25	13	11	0	87		
Clwyd																								
ALWEN	...	...	9-9	335	15.8	8.1	11.9	-	21.0	12	2.6	12	-	-	88	107	16	3	17	13	0	-		
BALCHYDDON	...	...	9-9	566	15.5	8.8	12.1	-	20.8	29	5.7	17	11.9	-	92	110	24	3	17	13	0	-		
COLWYN BAY	...	...	9-9	18	16.8	11.3	14.1	-	21.6	10	8.2	17	15.2	-	66	71	14	3	13	9	0	-		
CORwen	...	...	9-9	144	17.5	9.4	13.5	-	22.2	12	4.6	11	-	-	46	65	9	31	17	11	0	-		
HOWARDEN BRIDGE	...	...	9-9	5	19.1	10.8	14.9	-1.2	23.9	27	6.0	17	-	-	81	135	26	31	16	13	0	-		
LODEHERFDS	...	...	9-9	210	16.5	9.4	12.9	-	21.2	13	5.9	12	13.6	12.8	98	134	26	31	13	12	0	5.32		
PRESTATYN	...	...	9-9	4	17.3	12.0	14.7	-1.0	23.2	27	9.1	17	-	-	75	142	17	3	15	9	0	82		
RUTHIN	...	...	9-9	76	17.6	10.5	14.1	-	22.5	29	6.5	12	-	-	64	105	20	3	16	9	0	4.41		
PONTYPRIDD	...	...	9-9	91	19.4	10.6	15.0	-	25.0	29	6.6	25	15.9	-	55	-	14	31	13	11	0	4.9%		
LAKE VYNTRY	...	...	9-9	503	16.6	9.2	12.9	-1.1	21.1	17	6.3	7	15.1	-	106	99	25	31	14	12	0	-		
LLANFRITH CREIRION	...	...	9-9	236	17.9	10.0	13.9	-	22.6	29	6.4	17	15.1	-	55	-	14	31	14	12	0	-		
MOEL CYNNEDD	...	...	9-9	358	16.0	8.1	12.1	-	20.6	13	2.3	16	12.7	-	215	-	39	1	16	14	0	-		
7C WALES S.																								
DYfed																								
ABERPORTH	...	...	21-9	134	15.6	11.3	13.5	-1.2	18.9	11	8.4	25	-	-	91	138	25	31	14	13	0	72		
BERYSTATH	...	...	9-9	4	-	-	-	-	-	-	-	-	-	-	107	125	16	3	15	14	0	-		
BRYNMYR	...	...	21-9	111	15.7	10.8	13.3	-	20.3	13	8.1	17	-	-	102	-	16	31	14	14	0	4.56		
CARMARTHEN	...	...	21-9	183	17.4	10.9	14.1	-	22.7	14	6.8	7	-	-	135	-	26	22	18	14	0	-		
CHYBOSTHYM	...	...	9-9	5	17.1	-	-	-</																

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

JULY 1978

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL HEIGHT MIN. OF STATION HEIGHT OF ABOVE MSL (METERS)	AIR TEMPERATURE IN DEGREES C				MEAN EARTH TEMPERATURE	RAINFALL (TERMINAL H 09 GNT)	WEATHER (NUMBER OF DAYS)			BRIGHT SUNSHINE														
		MEANS OF		HIGHEST MAXIMUM	LOWEST MINIMUM			MEAN 20 CM DEGREES C																	
		MAX. (H)	MIN. (L)	DAILY MEAN (MEAN OF 10-15)	DIFFERENCE FROM 10-15 TO AVERAGE	MAX.	DATE	MIN.	DATE	TOTAL FALL (MM)	PERCENTAGE OF TOTAL FAL- LAGE	AMOUNT (MM)	DATE	0-2 MM OR MORE 1-10 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	MARL	ICE PELLETS-ETC.	THUNDER HEAD	FOG AT 9H	AIR FROST	DRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	GALE	
0A WALES S CONTINUED																									
WEST GLAMORGAN																									
NUNNALS HEAD	21-9	36	17.4	12.4	14.9	-	24.1	14	9.1	6	-	-	112	112	25	27	15	14	0	0	0	0	0	0	-
NEATH	9-9	62	17.9	11.9	14.9	-	23.9	14	8.9	25	-	-	131	147	39	31	14	13	0	0	0	0	0	0	4.30
PENRHYN	9-9	87	17.6	11.6	14.6	-	23.6	14	8.0	7	16.0	15.3	115	126	24	27	14	13	0	0	0	0	0	0	4.05
PORT TALBOT	9-9	5	18.2	11.9	15.1	-1.4	24.5	14	6.5	16	-	-	135	159	28	31	16	13	0	0	0	0	0	0	3.73
SWANSEA	9-9	10	18.0	12.2	15.1	-	24.0	14	9.0	6.7	17.0	16.0	110	126	23	31	14	12	0	0	0	0	0	0	5
WHITEFORD BURROWS	9-9	5	17.6	11.7	14.7	-	23.4	14	8.1	13	-	-	113	131	31	31	16	12	0	0	0	0	0	0	1
WID GLAMORGAN																									
ABERDARE FILTER STATION	9-9	174	17.6	10.7	14.1	-	23.1	14	6.5	16	-	-	115	127	27	22	16	12	0	0	0	0	0	0	3.95
CILFONYDD	21-9	194	-	-	-	-	-	-	-	-	-	-	82	122	22	12	10	0	0	0	0	0	0	0	
LLIWYNON	9-9	241	16.9	10.1	13.5	-	22.4	14	6.3	16	-	-	132	121	23	31	12	12	0	0	0	0	0	0	4.73
PORTCAWL	9-9	6	17.9	12.5	15.2	-	23.9	14	8.4	7	-	-	112	138	27	31	14	12	0	0	0	0	0	0	5
SOUTH GLAMORGAN																									
BRIDGEND	9-9	40	17.9	11.4	14.7	-	24.2	14	6.9	16	16.2	14.1	132	120	20	27	15	14	0	0	0	0	0	0	0
CARDIFF (BUTE PARK)	9-9	9	18.0	11.8	15.3	-	24.5	15	8.1	7	-	-	110	123	23	31	14	12	0	0	0	0	0	0	3.90
RHOOSHE AIRPORT	21-9	67	17.8	11.5	14.7	-	22.5	14	7.3	6.7	-	-	135	127	27	31	14	12	0	0	0	0	0	0	4.56
Gwent																									
CRUMBLAND	9-9	245	18.1	10.5	14.3	-	24.7	14	6.9	6	14.2	13.1	86	119	35	31	13	11	0	0	0	0	0	0	4.22
USK	9-9	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
0B ENGLAND SW																									
AVON																									
BATH	9-9	118	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.59	
FILTON	21-9	59	19.0	12.0	15.5	-1.0	24.7	14	7.6	7	-	-	87	145	30	31	15	9	0	0	0	0	0	0	76
LONG ASHTON	9-9	51	19.0	11.6	15.3	-1.0	24.5	14	6.2	6	16.3	-	92	131	29	31	14	10	0	0	0	0	0	0	4.61
SOMERSET																									
CAMMINOTON	9-9	28	19.4	12.2	15.8	-0.9	23.8	14	6.8	25	17.5	-	67	113	33	31	15	10	0	0	0	0	0	0	4.59
CREWKERNE	9-9	101	16.6	11.3	14.9	-	24.0	14	7.5	7	16.0	-	121	135	31	31	17	13	0	0	0	0	0	0	5
DOMINION ABBEY	9-9	183	17.9	11.4	14.7	-	23.8	14	7.4	6	-	-	122	150	31	31	18	15	0	0	0	0	0	0	-
EXTON	21-9	329	16.8	10.0	13.4	-	23.2	14	6.4	7	-	-	136	147	47	31	15	15	0	0	0	0	0	0	3.48
HAWKIDGE	9-9	314	16.0	9.9	12.9	-	21.2	14	6.0	16	-	-	136	130	32	31	15	15	0	0	0	0	0	0	-
NETTLECOMBE	9-9	96	(18.1)	(10.7)	(14.4)	-	23.6	14	6.8	7	16.8	-	122	157	31	31	13	11	0	0	0	0	0	0	-
NETTLECOMBE(BIRDS HILL)	9-9	280	(16.1)	(10.7)	(14.4)	-	20.9	14	8.0	4	-	-	133	150	50	31	14	12	0	0	0	0	0	0	-
ROOMEY STONE	9-9	40	18.4	11.6	15.0	-	23.9	14	6.9	6	16.5	15.0	119	161	21	23	18	14	0	0	0	0	0	0	4.30
WINCANTON	9-9	113	18.5	10.9	14.7	-	24.5	14	5.7	25	-	-	111	174	29	29	18	14	0	0	0	0	0	0	-
YEOVILTON	21-9	18	19.0	11.3	15.1	-	24.7	14	4.4	7	-	-	87	153	30	31	16	11	0	0	0	0	0	0	-
DORSET																									
BOURNEMOUTH																									
HURN AIRPORT	21-9	10	19.1	11.4	15.3	-	26.0	14	4.2	25	-	-	87	177	51	31	13	9	0	0	0	0	0	0	4.39
NEYREY PARK	9-9	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CHRISTCHURCH	9-9	3	18.5	12.2	15.3	-1.0	24.9	16	6.3	25	16.3	-	81	169	42	31	12	12	0	0	0	0	0	0	4.00
POOLE	9-9	5	19.2	11.6	15.4	-1.3	26.1	14	5.7	25	16.3	15.1	96	208	33	31	12	12	0	0	0	0	0	0	56
PORTLAND BILL (CASTLEGARD)	21-9	53	16.7	12.4	14.5	-1.2	21.2	14	10.0	4	-	-	119	143	43	30	16	12	0	0	0	0	0	0	4.99
SWANAGE	9-9	11	18.1	12.4	15.3	-1.0	24.8	14	8.2	7	-	15.2	98	204	35	31	13	11	0	0	0	0	0	0	5.03
MEYNARTH	9-9	23	18.5	11.9	15.2	-	24.0	14	7.1	25	-	-	114	138	38	31	15	15	0	0	0	0	0	0	4.69
MINFRITH	9-9	26	18.9	11.3	15.1	-	26.0	14	5.5	25	-	-	143	265	49	30	15	12	0	0	0	0	0	0	-
DEVON																									
CHAMBLEIGH	9-9	168	17.5	10.2	13.9	-	23.4	14	4.4	25	15.3	-	78	121	21	31	16	13	0	0	0	0	0	0	3.73
EXETER AIRPORT	21-9	32	18.9	11.6	15.3	-1.0	25.5	14	5.4	25	15.3	-	63	124	28	31	11	8	0	0	0	0	0	0	3.58
EXMOUTH	9-9	59	18.7	12.2	15.2	-0.4	24.5	29	7.9	7	-	-	63	119	26	31	11	8	0	0	0	0	0	0	4.74
HARTLAND POINT	21-9	93	15.2	12.1	13.7	-1.6	19.5	14	9.2	25	15.2	-	103	146	24	31	15	14	0	0	0	0	0	0	1.631 (1) 72
ILFRACOMBE	9-9	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
OKEHAMPTON	9-9	372	15.2	9.9	12.5	-	20.8	14	7.0	4	-	-	147	39	31	16	13	0	0	0	0	0	0	0	-
PLYMOUTH																									
MOUNT BATTEN	21-9	27	17.4	12.1	14.7	-1.2	22.0	17	6.6	7	16.2	15.1	72	103	16	27	14	10	0	0	0	0	0	0	4.57
THE HOE	9-9	36	-	12.2	-	-	-	-	-	-	-	-	76	137	16	27	14	9	0	0	0	0	0	0	5.18
PRIMLE POINT	21-9	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PRINCETOWN	9-9	414	14.9	9.6	12.3	-0.7	21.6	14	6.5	4	-	-	206	37	23	16	14	12	0	0	0	0	0	0	-
SIOMONTH	9-9	10	18.3	12.3	15.3	-0.7	22.1	14	6.0	7	-	-	76	143	25	31	14	8	0	0	0	0	0	0	-
SLAPTON	9-9	32	18.3	11.8	15.1	-	23.2	14	7.8	25	-	-	90	125	28	10	13	8	0	0	0	0	0	0	-
STAR CROSS	9-9	9	18.5	11.5	15.1	-0.8	23.2	14	5.9	25	16.4	-	66	12											



TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

JULY 1978

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE		MEAN TEMPERATURE AND HUMIDITY		CLOUD AMOUNT			VISIBILITY			WIND SPEED AND DIRECTION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
			AT NSL (mb)		DEPRESSION FROM 1961-70 AVERAGE		DRY BULB (DEGREES C)			WET BULB (DEGREES C)			VAPOUR PRESSURE (mb)			OKTRAS			SKY OBSCURED			NEAR			BEAUFORT FORCE			SPEED (KNT)			CALM																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
			AT NSL (mb)		DEPRESSION FROM 1961-70 AVERAGE		DRY BULB (DEGREES C)			WET BULB (DEGREES C)			VAPOUR PRESSURE (mb)			OKTRAS			SKY OBSCURED			0 - 39 KM			40 - 190 KM			200 - 390 KM			400 - 990 KM			1000 - 1900 KM			2000 - 3900 KM			4 - 9 KM			10 - 19 KM			20 - 39 KM			40 KM AND OVER																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
			AT NSL (mb)		DEPRESSION FROM 1961-70 AVERAGE		DRY BULB (DEGREES C)			WET BULB (DEGREES C)			VAPOUR PRESSURE (mb)			OKTRAS			SKY OBSCURED			NEAR			0 - 39 KM			40 - 190 KM			200 - 390 KM			400 - 990 KM			1000 - 1900 KM			2000 - 3900 KM			4 - 9 KM			10 - 19 KM			20 - 39 KM			40 KM AND OVER																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

JULY 1978

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE海面 (METRES)	HOUR OF OBSERVATION (LST)	MEAN PRESSURE		MEAN TEMPERATURE AND HUMIDITY		CLOUD AMOUNT		VISIBILITY		WIND SPEED AND DIRECTION													
			AT海面 (mb)		DEPRESSION FROM 1940-70 AVERAGE		DRY BULB (DEGREES C)		NET BULB (DEGREES C)		INFRARED PRESSURE (mb)		RELATIVE HUMIDITY (%)		BERAUFORCE									
							DEPRESSION OF 1940-70 mb		NET BULB (DEGREES C)		INFRARED PRESSURE (mb)		RELATIVE HUMIDITY (%)		SA. OR S. OR MORE MORE SPEED (kt)									
6 SCOTLAND W -CONT'D. STRATHCLYDE -CONT'D.																								
SLOY	-	9	-	13.8	2.4	11.5	75	6.4	0	2	5	16	10	0	0	0	0	0	0	0	0	0	0	0
	15	-	-	16.4	5.5	12.5	66	6.1	0	1	10	9	11	0	0	0	0	0	0	0	0	0	0	0
	21	-	-	13.5	2.0	12.0	77	5.4	1	4	7	11	8	0	0	0	0	0	0	0	0	0	0	0
TIREE	10	3	1012.9	-	11.2	0.5	12.4	94	6.9	0	1	1	20	9	0	0	0	0	0	0	0	0	0	0
	9	1013.4	+ 0.1	12.6	1.0	13.0	88	6.4	0	2	2	20	7	0	0	0	0	0	0	0	0	0	0	0
	15	1013.7	-	14.0	1.5	13.4	83	5.5	0	4	8	14	5	0	0	0	0	0	0	0	0	0	0	0
	21	1013.5	-	11.9	0.7	12.0	91	5.9	0	5	3	19	4	0	0	0	0	0	0	0	0	0	0	0
DUMFRIES & GALLOWAY																								
EDDALEHURST	237	3	1013.9	-	8.5	0.5	10.5	93	6.2	2	3	2	11	15	0	0	0	0	0	0	0	0	0	0
	9	1013.8	0.0	12.5	1.6	11.7	81	5.5	0	1	2	3	12	15	0	0	0	0	0	0	0	0	0	0
	15	1013.3	-	15.2	3.0	12.5	72	6.3	0	1	6	18	6	0	0	0	0	0	0	0	0	0	0	0
	21	1014.1	-	11.5	1.3	11.7	85	5.6	0	5	6	14	6	0	0	0	0	0	0	0	0	0	0	0
2 ENGLAND E & NE NORTHUMBERLAND																								
BOULMER	27	3	1012.9	-	10.4	0.4	12.0	94	6.3	1	1	6	11	11	1	0	0	1	0	0	0	0	0	0
	9	1013.5	-	13.2	1.5	12.9	85	6.4	0	2	2	6	14	9	0	0	0	1	0	0	0	0	0	0
	15	1013.2	-	14.7	1.9	13.5	80	6.1	0	1	2	7	15	0	0	0	0	1	0	0	0	0	0	0
	21	1013.5	-	12.0	0.8	12.6	91	5.9	1	5	2	13	10	0	0	0	0	1	0	0	0	0	0	0
SEAHOUSES	12	3	1013.0	-	-	-	-	-	-	6.1	1	2	6	12	9	1	0	0	0	0	0	0	0	0
	9	1013.5	-	-	-	-	-	-	-	6.5	0	3	2	15	9	2	0	0	0	0	0	0	0	0
	15	1013.2	-	-	-	-	-	-	-	6.1	1	1	8	9	0	0	0	0	0	0	0	0	0	0
	21	1013.5	-	-	-	-	-	-	-	5.0	1	4	4	13	8	1	0	0	0	0	0	0	0	0
TYNE & WEAR																								
NEWCASTLE	72	3	1013.7	-	11.6	1.1	11.9	86	6.0	0	4	6	10	11	0	0	0	0	1	0	0	0	0	0
WEATHER CENTRE (X)	15	1013.9	-	13.8	2.3	11.9	75	6.3	0	2	5	13	11	0	0	0	0	1	0	0	0	0	0	0
	21	1014.2	-	16.2	3.5	12.0	66	6.0	0	5	3	14	9	0	0	0	0	1	0	0	0	0	0	0
	21	1014.2	-	13.5	2.0	12.1	78	5.7	1	5	5	10	10	0	0	0	0	1	0	0	0	0	0	0
TYNEBOUTH	40	3	1013.6	-	11.8	1.1	12.1	87	6.2	1	1	6	13	9	1	0	0	0	0	4	9	17	0	0
	9	1013.7	- 0.6	13.3	1.8	12.0	80	6.0	1	0	6	12	11	1	0	0	0	1	0	0	0	0	0	0
	15	1013.7	-	14.7	2.6	12.2	74	5.9	1	2	7	11	8	2	0	0	0	1	2	2	2	9	10	0
	21	1014.0	-	13.2	1.7	12.3	81	5.5	1	4	4	10	12	0	0	0	0	3	3	15	1	0	0	0
NORTH YORKSHIRE																								
LEEMING	53	3	1014.0	-	11.7	1.1	12.0	87	6.1	1	3	5	11	9	2	0	0	0	3	1	0	0	0	0
	9	1014.2	- 0.4	14.3	2.2	12.5	76	5.4	0	2	6	14	9	0	0	0	0	4	5	7	10	0	0	0
	15	1014.5	-	17.6	3.2	12.2	61	5.6	0	5	5	7	13	6	0	0	0	4	3	7	10	0	0	0
	21	1014.3	-	14.0	2.0	12.6	79	6.0	1	3	5	11	11	0	0	0	0	1	0	0	0	0	0	0
WHITBY C.D.	66	3	1013.5	-	11.4	0.9	12.0	89	5.8	1	4	6	7	13	0	0	0	1	0	0	0	0	0	0
	9	1013.9	-	13.6	1.6	12.0	86	6.1	0	2	5	10	9	0	0	0	0	1	0	0	0	0	0	0
	15	1013.8	-	15.1	2.5	12.5	80	6.0	0	3	3	8	8	0	0	0	0	1	0	0	0	0	0	0
	21	1014.0	-	13.2	1.5	12.5	83	6.2	0	3	5	6	15	1	0	0	0	1	0	0	0	0	0	0
HUBERSIDE																								
SPURN POINT	20	3	1014.1	-	12.6	0.9	13.1	90	6.0	0	4	6	7	14	0	0	0	0	2	5	18	6	0	0
	9	1014.4	-	14.0	1.5	13.4	85	6.9	0	5	10	16	10	0	0	0	0	1	0	0	0	0	0	0
	15	1014.8	-	15.7	2.0	13.4	75	5.9	0	2	2	9	9	0	0	0	0	1	0	0	0	0	0	0
	21	1014.7	-	13.6	1.2	13.7	86	6.5	0	3	5	6	16	1	0	0	0	1	0	0	0	0	0	0
LINCOLNSHIRE																								
BINBROOK	112	3	1014.4	-	10.6	0.5	12.0	93	5.9	0	7	3	8	10	3	0	2	1	2	3	6	9	0	0
	9	1014.7	-	13.5	1.2	13.6	86	5.3	0	1	15	15	9	0	0	0	0	4	5	10	9	0	0	0
	15	1014.5	-	16.2	2.7	13.5	73	6.3	0	1	9	12	9	0	0	0	0	1	0	0	0	0	0	0
	21	1014.9	-	12.7	1.1	13.0	88	6.5	0	2	5	15	10	1	0	0	0	1	0	0	0	0	0	0
MADDINGTON	70	3	1014.5	-	11.4	0.7	12.5	92	6.2	1	2	7	6	13	2	0	0	1	2	2	6	11	0	0
	9	1014.8	- 0.6	14.0	1.4	14.0	94	5.7	0	4	5	15	8	0	0	0	0	1	0	0	0	0	0	0
	15	1014.6	-	17.3	3.4	15.1	67	6.2	0	1	7	15	8	0	0	0	0	1	0	0	0	0	0	0
	21	1014.8	-	17.3	3.5	15.1	67	6.2	0	1	7	15	9	0	0	0	0	1	0	0	0	0	0	0
CAMBRIDGESHIRE																								
HETTERING	76	3	1014.9	-	11.6	0.5	12.9	94	6.1	2	1	4	7	15	0	0	0	0	1	2	13	8	0	0
	9	1015.2	- 0.5	14.2	1.4	13.0	88	6.5	0	2	4	12	13	0	0	0	0	1	0	0	0	0	0	0
	15	1014.8	-	17.6	3.5	13.5	67	6.0	0	1	5	8	10	0	0	0	0	1	0	0	0	0	0	0
	21	1015.2	-	14.2	1.4	13.7	95	5.7	0	3	5	8	6	0	0	0	0	1	0	0	0	0	0	0
NYTON	43	3	1014.8	-	11.9	0.6	13.1	95	5.9	3	1	4	15	10	0	0	0	0	2	3	7	9	0	0
	9	1015.3	-	14.5	1.4	16.1	85	6.9	0	2	2	12	11	0	0	0	0	4	5	12	15	0	0	0
	15	1014.6	-	18.1	3.4	14.2	69	6.7	0	0	5	17	9	0	0	0	0	1	0	0	0	0	0	0
	21	1015.1	-	15.0	1.6	14.3	94	6.6	0	3	5	15	10	0	0	0	0	1	0	0	0	0	0	0
SUFFOLK																								
ALDEBURGH																								
HORNINGTON	51	3	1014.9	-	11.7	0.5	13.0	94	6.5	0	2	7	9	15	0	0	0	0	2	3	12	6	5	0</

JULY 1978

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE海面 (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE		MEAN TEMPERATURE AND HUMIDITY		CLOUD AMOUNT			VISIBILITY			WIND SPEED AND DIRECTION																	
			AT海面 (hPa)	DIFFERENCE FROM 1941-70 AVERAGE	DEPRESSION OF NET BULB (DEGREES C)	VAPOUR PRESSURE hPa	RELATIVE HUMIDITY (%)	OKTRAS	MEAN	SKY OBSCURED			0 - 39 KM			40 KM AND OVER			BEAUFORT FORCE			SEA OR LAND HOME			SOUTH WIND 22-33 11-21			NORTH WIND 6-7 4-5 1-2 CALM		
										0	1 - 2	3 - 5	6 - 7	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3 EAST ANGLIA -CONT'D-	ESSEX									NUMBER OF OBSERVATIONS																				
SHOEBURYNESS	5	9	1015.7	- 0.7	16.5	2.2	14.4	77	6.5	0	1	4	18	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15	1015.5	-	18.0	3.3	14.3	69	6.4	0	3	2	17	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	21	1015.9	-	15.4	1.7	14.5	82	5.7	0	7	2	17	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
STANSTED	102	3	1015.3	-	12.0	0.6	13.0	92	6.4	1	2	4	13	11	0	0	0	0	2	2	1	1	10	11	0	0	0	0	0	
	9	1015.6	- 0.5	14.7	1.7	13.7	81	7.0	0	1	1	16	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	15	1015.1	-	17.9	3.8	13.1	64	6.4	0	1	7	14	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	21	1015.6	-	14.3	1.7	13.4	82	5.5	0	6	5	11	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4 MIDLAND COUNTIES WEST YORKSHIRE																														
HUDDERSFIELD	235	3	1014.5	-	10.5	1.1	10.8	85	7.4	0	0	2	7	22	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
ONNES	9	1014.8	-	13.7	1.6	12.9	82	6.7	0	0	0	8	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	15	1014.7	-	16.5	2.8	13.5	72	6.9	0	4	15	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	21	1014.8	-	12.9	1.4	12.5	84	5.8	2	3	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MILSDEN	267	3	1014.7	-	10.2	0.6	11.5	92	6.0	0	4	7	11	5	0	0	1	3	0	0	0	0	0	0	0	0	0	0	0	
	9	1014.7	-	12.5	1.5	11.9	82	6.0	1	1	9	7	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	15	1014.5	-	15.0	5.0	11.8	70	6.2	0	11	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	21	1014.9	-	12.5	1.4	11.9	83	5.5	1	4	10	3	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SOUTH YORKSHIRE																														
FINNINGLEY	15	3	1014.3	-	11.1	0.7	12.2	92	6.1	1	2	6	13	8	1	0	0	0	3	1	1	3	12	9	1	0	0	0	0	
	9	1014.6	- 0.5	14.2	2.0	13.1	79	6.4	0	1	8	14	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	15	1014.3	-	17.7	3.7	13.2	66	6.4	0	8	14	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	21	1014.6	-	14.1	1.5	13.5	83	6.0	2	3	2	14	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
NOTTINGHAMSHIRE																														
MATTHALL	119	3	1015.0	-	11.5	0.7	12.5	92	6.6	1	2	2	12	15	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	9	1015.1	- 0.2	14.2	1.7	13.3	81	6.5	2	1	3	13	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	15	1014.9	-	17.3	3.4	13.2	68	6.3	0	4	5	12	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	21	1015.1	-	14.0	1.6	13.2	83	5.4	0	6	5	13	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BALLOP																														
SHREWSBURY	76	3	1015.0	-	11.8	0.8	12.6	91	6.3	1	3	5	15	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	9	1015.2	- 0.4	14.6	1.5	13.8	76	6.2	0	2	11	10	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	15	1015.0	-	17.6	3.2	13.9	59	5.9	0	2	11	10	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	21	1015.4	-	15.6	1.4	13.5	85	6.0	1	1	9	14	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
WEST MIDLANDS																														
EDDINGTON	165	9	1015.3	- 0.7	14.2	2.3	12.1	75	6.6	1	2	2	12	15	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15	1014.9	-	17.4	4.2	11.9	61	6.3	0	3	4	16	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	21	1015.4	-	15.0	2.6	12.5	75	6.1	0	5	4	10	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ELDON	100	3	1015.3	-	11.5	0.9	12.5	89	5.9	0	6	4	12	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	9	1015.4	- 0.5	14.9	2.3	12.7	75	6.5	1	2	4	12	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	15	1015.0	-	18.1	4.4	12.2	60	5.9	0	2	6	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	21	1015.5	-	14.6	2.0	13.1	79	5.6	0	3	3	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GLOUCESTER																														
INNSWORTH	24	3	1015.7	-	12.7	1.0	15.0	86	5.7	1	3	8	12	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	9	1016.0	-	15.2	2.5	15.3	75	6.4	0	1	5	16	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	15	1015.4	-	19.1	4.5	15.3	62	6.2	0	1	6	19	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	21	1015.8	-	15.7	2.3	15.7	77	5.6	1	3	3	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BRIZE NORTON	92	3	1015.5	-	12.2	0.9	12.7	89	6.1	1	3	5	11	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	9	1015.6	-	14.5	2.5	13.0	76	6.8	1	1	7	17	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15	1015.0	-	15.4	2.5	13.0	76	6.8	1	1	7	17	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	21	1015.4	-	18.8	4.8	12.3	57	6.0	0	2	7	16	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	24	3	1015.6	-	14.3	1.6	15.5	82	5.6	2	2	7	13	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LONDON	24	3	1015.6	-	16.1	2.7	15.3	72	6.5	0	2	5	10	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	9	1015.9	-	16.1	4.4	15.8</td																								

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TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BRIDGE ABOVE SEA LEVEL (MTRS)	HOUR OF OBSERVATION (HT)	AT MSL (HT)	ATmospheric Pressure Difference from 1941-70 Average	Atmospheric Temperature and Humidity	Cloud Amount OKTAS	Visibility 0 - 39 KM	Wind Speed and Direction							
								BEAUFORT FORCE				SPEED (HT)			
								0 OR MORE		5-7		4-5		3-4	
								N	N	E	S	SE	SW	W	N
5 ENGLAND SE & CENT. S. KENT	-	-	-	-	-	-	-	0	0	0	0	0	0	0	0
DUNGENESS	7	1015.6	-	-	-	-	-	1	1	10	9	9	0	0	0
	9	1015.9	-	-	-	-	-	0	1	14	13	0	0	0	0
	15	1015.7	-	-	-	-	-	1	3	3	16	0	0	0	0
	21	1016.0	-	-	-	-	-	0	2	10	7	11	1	0	0
HARSTON	45	1015.7	-	-	-	-	-	1	2	7	12	7	2	0	0
	9	1015.9	-	-	-	-	-	1	2	7	12	7	2	0	0
	15	1015.7	-	-	-	-	-	0	2	5	18	6	0	0	0
	21	1016.2	-	-	-	-	-	0	3	19	4	0	0	0	0
HAMPSHIRE	-	-	-	-	-	-	-	0	0	0	0	0	0	0	0
SOUTHAMPTON	9	1016.0	-	-	-	-	-	1	3	4	12	11	0	0	0
WETHER CENTRE (X)	9	1016.3	-	-	-	-	-	1	3	5	15	11	0	0	0
	15	1016.0	-	-	-	-	-	1	5	18	6	0	0	0	0
	21	1016.2	-	-	-	-	-	0	4	3	14	10	0	0	0
WEST SUSSEX	-	-	-	-	-	-	-	0	0	0	0	0	0	0	0
GRTNICK	60	1016.1	-	-	-	-	-	1	5	2	15	10	0	0	0
	9	1016.2	-	-	-	-	-	0	2	14	10	0	0	0	0
	15	1015.8	-	-	-	-	-	0	4	5	16	0	0	0	0
	21	1016.3	-	-	-	-	-	0	3	13	9	0	0	0	0
EAST SUSSEX	-	-	-	-	-	-	-	0	0	0	0	0	0	0	0
HERSTHORCEUX	26	1016.0	-	-	-	-	-	0	0	6	12	12	1	0	0
	9	1016.2	-	-	-	-	-	0	2	2	19	8	0	0	0
	15	1016.0	-	-	-	-	-	1	4	6	12	0	0	0	0
	21	1016.4	-	-	-	-	-	0	3	9	11	8	0	0	0
7A ENGLAND NW & I.O.M.	-	-	-	-	-	-	-	0	0	0	0	0	0	0	0
CUMBRIA	-	-	-	-	-	-	-	0	0	0	0	0	0	0	0
CARLISLE	26	1015.7	-	-	-	-	-	1	2	4	17	7	0	0	0
	9	1015.9	-	-	-	-	-	0	3	2	17	9	0	0	0
	15	1015.6	-	-	-	-	-	0	1	6	16	6	0	0	0
	21	1015.9	-	-	-	-	-	1	1	5	18	6	0	0	0
LANCASHIRE	-	-	-	-	-	-	-	0	0	0	0	0	0	0	0
SQUIRES GATE	11	1014.6	-	-	-	-	-	0	0	0	0	0	0	0	0
	9	1014.9	-	-	-	-	-	0	1	4	14	10	0	0	0
	15	1015.1	-	-	-	-	-	0	2	2	18	7	0	0	0
	21	1015.0	-	-	-	-	-	0	3	5	16	6	0	0	0
GREATER MANCHESTER	-	-	-	-	-	-	-	0	0	0	0	0	0	0	0
MANCHESTER	42	1014.6	-	-	-	-	-	1	1	12	9	7	0	0	0
WEATHER CENTRE (X)	9	1014.7	-	-	-	-	-	1	2	12	7	6	0	0	0
	15	1014.7	-	-	-	-	-	0	3	12	9	0	0	0	0
	21	1016.4	-	-	-	-	-	1	2	12	7	6	0	0	0
RINGHILL	84	1014.9	-	-	-	-	-	0	1	6	12	9	0	0	0
	9	1015.0	-	-	-	-	-	0	2	12	7	6	0	0	0
	15	1014.9	-	-	-	-	-	0	3	5	12	10	0	0	0
	21	1015.1	-	-	-	-	-	0	4	17	6	0	0	0	0
ISLE OF WIGHT	-	-	-	-	-	-	-	0	0	0	0	0	0	0	0
POINT OF HYRE	9	1014.5	-	-	-	-	-	1	3	6	9	12	0	0	0
	9	1014.9	+ 0.4	-	-	-	-	0	2	6	14	9	0	0	0
	15	1015.0	-	-	-	-	-	0	1	10	10	0	0	0	0
	21	1014.9	-	-	-	-	-	0	0	10	10	0	0	0	0
RONALDSWAY	21	1014.4	-	-	-	-	-	0	1	7	5	1	0	0	0
	9	1014.9	+ 0.1	-	-	-	-	0	2	12	7	6	0	0	0
	15	1014.9	-	-	-	-	-	0	3	5	12	10	0	0	0
	21	1014.8	-	-	-	-	-	0	4	17	6	0	0	0	0
7B WALES N GWYNEDD	-	-	-	-	-	-	-	0	0	0	0	0	0	0	0
BROADBEEY ISLAND	19	1015.8	-	-	-	-	-	1	4	10	12	1	0	0	0
	9	1016.2	-	-	-	-	-	0	2	7	9	13	0	0	0
	15	1016.3	-	-	-	-	-	0	4	5	9	11	0	0	0
	21	1015.9	-	-	-	-	-	0	3	7	15	8	0	0	0
VALLEY	11	1014.4	-	-	-	-	-	0	1	6	12	10	0	0	0
	9	1015.8	+ 0.4	-	-	-	-	0	2	12	10	8	0	0	0
	15	1015.7	-	-	-	-	-	0	3	5	12	10	0	0	0
	21	1015.6	-	-	-	-	-	0	4	17	6	0	0	0	0
WALES S DYfed	-	-	-	-	-	-	-	0	0	0	0	0	0	0	0
ABERPORTH	134	1016.1	-	-	-	-	-	1	2	4	6	14	2	0	0
	9	1016.5	+ 0.4	-	-	-	-	0	1	12	10	1	0	0	0
	15	1016.5	-	-	-	-	-	0	3	15	13	10	0	0	0
	21	1016.3	-	-	-	-	-	0	4	12	10	1	0	0	0
BRAMLEY	116	1016.2	-	-	-	-	-	0	1	5	11	13	0	0	0
	9	1016.6	-	-	-	-	-	0	2	11	13	0	0	0	0
	15	1016.5	-	-	-	-	-	0	3	5	12	10	0	0	0
	21	1016.5	-	-	-	-	-	0	4	13	11	0	0	0	0
BRYNARTHAN	-	-	-	-	-	-	-	0	1	4	12	10	0	0	0
	9	-	-	-	-	-	-	0	2	13	11	0	0	0	0
	15	-	-	-	-	-	-	0	3	12	10	0	0	0	0
	21	-	-	-	-	-	-	0	4	13	11	0	0	0	0
MILFORD HAVEN	59	1016.4	-	-	-	-	-	0	2	5	6	15	0	0	0
C.B.	9	1016.8	+ 0.2	-	-	-	-	0	1	2	7	6	0	0	0
	15	1016.8	-	-	-	-	-	0	3	12	10	0	0	0	0
	21	1016.5	-	-	-	-	-	0	4	13	11	0	0	0	0
WEST GLAMORGAN	-	-	-	-	-	-	-	0	0	0	0	0	0	0	0
MUMBLES HEAD	57	1015.8	-	-	-	-	-	0	1	4	10	10	0	0	0
	9	1016.4	-	-	-	-	-	0	2	5	11	14	0	0	0
	15	1016.2	-	-	-	-	-	0	3	10	14	0	0	0	0
	21	1016.5	-	-	-	-	-	0	4	10	14	0	0	0	0

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TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE		MEAN TEMPERATURE AND HUMIDITY		CLOUD AMOUNT			VISIBILITY			WIND SPEED AND DIRECTION						
			DIFFERENCE FROM 1941-70 AVERAGE		DEPRESSION OF HEAT BULB (DEGREES C)		OKTRAS			NUMBER OF OBSERVATIONS			BEAUFORT FORCE			OR MORE			
			AT MSL (mb)		DEPRESSION OF WIND PRESSURE (mb)		RELATIVE HUMIDITY (%)			HEM			0 - 39 KM			40 - 160 KM			
							0	1 - 2	3 - 5	6 - 7	8	SAY OBSERVED	0	1 - 2	3 - 5	6 - 7	8	9	
WALES S - CONTD. N.W. GLAMORGAN																			
CILYNYDD	195	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SOUTH GLAMORGAN																			
RHOSE	69	3	1016.0	-	12.4	0.6	13.5	95	6.1	1	5	1	12	0	0	0	0	0	
	9	1015.5	-0.2	14.6	1.6	13.8	93	6.0	1	5	2	16	12	0	0	0	0	0	
	15	1016.2	-	16.7	2.5	14.2	75	6.1	3	4	1	18	0	0	0	0	0	0	
	21	1016.3	-	13.8	1.1	14.0	88	6.2	0	1	4	3	13	11	0	0	0	0	
BB ENGLAND SW AVON																			
FILTON	61	3	1016.1	-	12.9	0.9	13.4	89	6.1	1	5	4	11	12	0	0	0	0	
	9	1016.4	-0.1	15.1	1.9	13.8	80	6.9	1	5	0	10	11	0	0	0	0	0	
	15	1016.0	-	18.1	3.4	14.1	89	6.1	0	1	4	17	15	0	0	0	0	0	
	21	1016.2	-	15.1	1.7	14.2	82	6.2	0	1	4	2	13	11	0	0	0	0	
SOMERSET																			
EXTON	-	9	-	-	13.3	1.1	13.5	88	6.4	1	0	9	8	13	0	0	0	0	
	15	-	-	-	12.0	0.5	13.5	95	6.1	3	2	4	5	14	0	0	0	0	
	21	-	-	-	12.4	0.7	13.5	91	6.0	0	4	7	7	11	2	0	0	0	
YEOVILTON	23	3	1016.2	-	12.4	0.7	13.5	90	6.0	4	7	7	11	2	0	0	0	0	
	9	1016.5	-	15.2	1.7	14.2	82	6.7	1	1	3	12	13	0	0	0	0	0	
	15	1016.2	-	18.2	3.4	14.2	68	6.2	0	3	6	13	9	0	0	0	0	0	
	21	1016.4	-	15.0	1.5	14.3	85	5.9	0	5	4	13	9	0	0	0	0	0	
DORSET																			
HURN	11	3	1016.1	-	12.4	0.6	13.6	93	6.4	0	5	6	8	12	2	0	0	0	
	9	1016.4	-	15.7	1.9	14.3	80	6.2	1	2	4	11	10	0	0	0	0	0	
	15	1016.2	-	18.1	3.4	14.1	68	6.0	0	4	4	14	9	0	0	0	0	0	
	21	1016.3	-	14.9	1.3	14.6	86	6.0	1	2	8	8	11	1	0	0	0	0	
PORTLAND BILL-C.O.	54	3	1016.5	-	13.6	0.3	14.0	97	6.5	1	5	3	4	17	0	0	0	0	
	9	1016.7	-	14.5	0.6	15.4	93	6.1	1	5	4	17	15	0	0	0	0	0	
	15	1016.0	-	15.7	1.0	16.0	90	6.4	3	5	0	1	12	0	0	0	0	0	
	21	1016.6	-	14.3	0.5	15.3	95	6.2	0	2	5	4	17	1	0	0	0	0	
DEVON																			
EXETER	58	3	1016.8	-	12.7	0.7	13.6	92	6.0	2	4	2	9	14	0	0	0	0	
	9	1017.1	-0.0	15.5	1.8	14.2	81	6.4	2	4	3	18	8	0	0	0	0	0	
	15	1017.0	-	18.0	3.2	14.4	70	6.2	0	3	4	17	7	0	0	0	0	0	
	21	1017.1	-	14.6	1.2	14.4	88	5.5	1	7	5	9	11	0	0	0	0	0	
HARTLAND POINT	95	3	1016.4	-	13.0	0.6	13.9	93	5.6	2	8	0	8	11	2	0	0	0	0
	9	1017.1	-	13.8	1.1	13.9	88	6.5	1	0	5	11	12	1	0	0	0	0	
	15	1017.2	-	14.5	1.2	14.3	87	6.3	2	1	4	10	11	1	0	0	0	0	
	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MOUNT BATTE	28	3	1016.7	-	13.0	0.7	13.8	91	5.7	3	5	1	8	14	0	0	0	0	
	9	1017.2	-0.2	14.9	1.6	14.1	83	6.4	1	3	2	12	13	0	0	0	0	0	
	15	1017.3	-	16.2	2.1	14.5	79	6.6	0	2	2	3	17	9	0	0	0	0	
	21	1017.1	-	14.5	1.3	14.2	86	5.6	2	4	4	12	9	0	0	0	0	0	
PRAME POINT	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CORNWALL																			
CULROSS	84	3	1017.4	-	12.5	0.6	13.6	93	5.6	5	0	6	7	12	0	0	0	0	
	9	1017.9	-	14.5	1.6	13.7	83	6.3	1	5	1	5	16	0	0	0	0	0	
	15	1017.9	-	15.2	2.2	13.8	78	6.2	0	3	5	16	12	0	0	0	0	0	
	21	1017.8	-	13.4	0.9	13.0	90	5.7	1	3	8	10	9	0	0	0	0	0	
ONENWAP HERD	70	3	1017.5	-	13.0	0.6	13.9	93	5.0	6	3	6	4	10	0	0	0	0	
	9	1018.1	-	14.1	1.4	13.7	85	5.6	3	6	8	10	10	0	0	0	0	0	
	15	1018.2	-	15.2	1.7	14.1	82	5.9	2	1	10	8	12	0	0	0	0	0	
	21	1017.9	-	13.5	0.9	14.0	90	5.8	0	4	7	8	11	1	0	0	0	0	
ST MARYNS	107	3	1016.9	-	12.9	0.5	14.0	94	6.4	1	5	2	10	14	1	0	0	0	
	9	1017.6	+0.4	14.2	1.2	14.0	87	6.5	1	2	2	14	11	1	0	0	0	0	
	15	1017.4	-	14.5	1.7	14.3	82	6.6	1	1	5	14	11	1	0	0	0	0	
	21	1017.4	-	13.6	0.7	14.4	92	6.1	1	3	4	11	11	1	0	0	0	0	
SCILLY	61	3	1017.9	-	13.5	0.7	14.1	92	4.8	5	6	6	8	11	0	0	0	0	
	9	1018.5	+0.9	15.1	1.5	14.5	84	5.8	2	3	5	6	11	1	0	0	0	0	
	15	1018.6	-	15.6	2.1	14.8	79	5.8	1	4	4	14	12	0	0	0	0	0	
	21	1016.2	-	13.9	0.9	14.4	90	5.5	1	4	8	6	12	0	0	0	0	0	
CHANNEL ISLANDS																			
GUERNSEY AIRPORT	105	3	1017.6	-	12.7	0.5	13.9	94	5.9	5	3	1	11	10	3	0	1	0	0
	9	1017.8	-	14.2	1.1	14.7	87	6.5	2	1	2	10	16	3	0	0	0	0	
	15	1017.8	-	16.2	2.4	14.0	77	5.2	3	3	8	10	7	0	0	0	0	0	
	21	1017.7	-	13.5	1.0	13.8	89	5.6	1	5	4	16	13	0	0	0	0	0	
JERSEY AIRPORT	85	3	1017.7	-	14.9	1.3	14.7	86	5.5	2	1	5	5	12	0	0	0	0	0
	9	1017.7	-	15.6	2.3	14.5	78	4.7	3	8	5	10	10	0	0	0	0	0	
NORTHERN IRELAND LONDONDERRY																			
HONEYDIO	35	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ANTRIM																			
ALDERDROVE	75	3	1014.6	-	11.2	0.8	12.1	90	6.5	0	2	4	14	11	0	0	1	0	0
	9	1014.8	+0.2	13.3	1.5	12.7	85	6.5	2	1	2	16	12	0	0	1	0	0	
	15	1014.6	-	16.1	2.7	13.5	72	6.2	0	2	3	15	7	0	0	1	0	0	
	21	1014.9	-	13.2	1.5	12.7	85	6.1	0	4	3	17	7	0	0	1	0	0	
TYRONE																			
CARRIAGHANS	112	9	1015.0	-	13.4	1.1	13.6	88	6.5	2	1	2	10	16	0	0	1	0	0
	15	1014.8	-	16.1	2.3	14.2	77	6.3	0	2	6	11	12	0	0	1	0	0	
	21	1015.3	-	13.0	1.0	13.3	88	6.0	0	1	4	8	6	0	0	1	0	0	

TABLE 5 NUMBER OF DAYS WITH MAXIMUM AND MINIMUM TEMPERATURES BETWEEN GIVEN LIMITS

JULY 1978

STATION	MAXIMUM °C					MINIMUM °C					MAXIMUM °C					MINIMUM °C				
	0.0 IN. LESS	0.1 TO 5.0	5.1 TO 10.0	10.1 TO 15.0	15.1 TO 20.0	20.1 TO 25.0	25.1 TO 30.0	ABOVE 30.0	-15.0 OR LESS	-14.9 TO -10.0	-9.9 TO -5.0	-4.9 TO 0.0	0.1 TO 5.0	5.1 TO 10.0	10.1 TO 15.0	15.1 TO 20.0	20.1 TO 25.0	25.1 TO 30.0	ABOVE 30.0	
LERWICK (PSYCHROMETER)	0	0	0	26	25	25	2	0	0	0	0	0	0	0	26	5	0	0	0	0
LERWICK (SCREEN)	0	0	0	25	25	25	0	0	0	0	0	0	0	0	26	5	0	0	0	0
STORMONT	0	0	0	25	25	25	0	0	0	0	0	0	0	0	20	11	0	0	0	0
CARIBSTONE	0	0	0	11	12	17	1	0	0	0	0	0	0	0	22	9	0	0	0	0
ROTHMAYR	0	0	0	6	21	4	0	0	0	0	0	0	0	0	19	12	0	0	0	0
ABBOSTINCH	0	0	0	4	19	8	0	0	0	0	0	0	0	0	11	17	13	0	0	0
ESKDALENUIR (PSYCHROMETER)	0	0	0	10	18	3	0	0	0	0	0	0	0	0	8	17	6	0	0	0
ESKDALENUIR (SCREEN)	0	0	0	8	18	5	0	0	0	0	0	0	0	0	5	18	8	0	0	0
Douglas	0	0	0	8	21	2	0	0	0	0	0	0	0	0	13	18	0	0	0	0
Boulder	0	0	0	14	14	3	0	0	0	0	0	0	0	0	20	11	0	0	0	0
Hull	0	0	0	0	19	12	0	0	0	0	0	0	0	0	11	19	1	0	0	0
Gorleston	0	0	0	3	21	7	0	0	0	0	0	0	0	0	8	17	6	0	0	0
Cambridge Botanic Gardens	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	13	0	0	0	0
Eddisbury	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	11	2	0	0	0
Kew (Psychrometer)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	16	2	0	0	0
Kew (North-Wall Screen)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	17	11	0	0	0
Hastings	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	4	0	0	0	0
Southampton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	10	1	0	0	0
Stonyhurst	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	0	0	0
Valley	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	4	0	0	0	0
Rhosneigr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	20	6	0	0	0
Falmouth	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	3	0	0	0	0
Alderford	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	20	6	0	0	0
Arnside	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	8	0	0	0	0

TABLE 6 SUMMARY OF AUTOGRAPHIC RECORDS OF WIND

JULY 1978

DISTRICT REGION/COUNTY AND PLACE		HEIGHT OF VANE IN METRES	DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED												HIGHEST VALUES																		
			54 KT OR MORE (GALE FORCE)				22-33 KT				11-21 KT		4-10 KT		LESS 4 KT		NUMBER OF HOURS NO RECORD	MEAN HOURLY WIND SPEED	HOURLY WIND			DUST											
			ABOVE MSL	ABOVE GROUND	EFFECTIVE	DATES OF OCCURRENCE	NUMBER OF HOURS NO RECORD			YEAR FREQUENCY	SPEED-KT	YEAR FREQUENCY	DRY	YEAR FREQUENCY	SPEED-KT	DRY	TIME																
0 SCOTLAND N																																	
SHETLAND	LERWICK	93	10	10														0	8	65	400	222	57	0	12.4	280	26	7	23	260	40	7	2354
ORKNEY	KIRKWALL AIRPORT	41	15	10														0	6	52	399	250	63	0	12.1	360	25	4	10	360	58	4	0506
WESTERN ISLES	BENBECULA	16	10	10														0	7	68	406	247	23	0	13.1	340	28	4	00	350	43	4	0754
	STORNOWAY	12	10	10														0	2	4	345	341	54	0	10.5	360	23	4	06	360	35	4	0654
HIGHLAND	DALCROSS	19	10	10														0	1	1	246	356	141	0	8.5	220	22	24	170	220	36	28	0754
	DOUNREARY	34	12	9														0	6	30	349	281	84	0	11.0	180	25	22	14	170	33	22	1248
	DOIRINISH	38	20	17														0	5	22	279	357	86	0	9.8	330	25	4	00	330	43	4	0036
	FORT AUGUSTUS	58	16	16														0	0	144	443	157	0	7.0	210	17	28	10	230	31	24	1112	
	WICK	45	10	10														0	4	11	409	239	85	0	11.2	310	25	8	15	310	37	8	1530
1 SCOTLAND E																																	
	ABERDEEN-DYCE AIRPORT	68	10	10														0	3	4	304	273	163	0	9.1	310	22	7	11	320	35	5	1524
	FRASERBURGH	29	13	11														0	10	122	252	304	57	0	12.7	310	31	5	21	310	39	5	1918
	KINLOSS	18	13	13														0	4	4	301	362	77	0	9.7	300	23	8	18	230	33	28	0848
	LOSSIEMOUTH	17	10	10														0	5	12	321	322	89	0	10.2	230	24	28	09	230	34	4	052
TAYSIDE	BELL ROCK	39	40	38														0	12	87	368	217	72	0	12.8	350	29	31	17	350	31	3	1748
	MILNEFIELD	40	10	10														0	0	0	64	462	218	0	6.0	200	16	27	21	230	30	4	2154
	TUNNEL BRIDGE	161	16	16														0	0	0	67	460	217	0	5.6	260	16	8	08	270	29	4	1400
FIFE	LEUCHARS	25	13	13														0	0	0	235	426	83	0	8.7	200	21	22	11	200	34	22	1105
LOTHIAN	EDINBURGH	TURNHOUSE AIRPORT	43	13	10													0	2	6	254	407	77	0	9.1	190	25	27	15	190	42	22	1118
	ROYAL OBSERVATORY	BLACKFORD HILL	159	10	10													0	10	35	332	301	76	0	11.0	190	28	27	16	200	45	27	1624
6 SCOTLAND W																																	
STRATHCLYDE	ABBOTSINCH AIRPORT	16	10	10														0	0	0	219	452	73	0	8.5	190	19	22	14	190	31	22	1354
	ARDROSSAN	24	20															0	10	54	421	227	36	0	12.8	300	29	6	17	170	35	27	1254
	DUNSTAFFNAE	13	10	10														0	2	4	298	328	114	0	9.4	290	26	4	09	290	34	4	1012
	GREENOCK PORT	51	49															0	3	11	340	314	67	0	12.0	200	26	22	13	200	42	22	1748
	INCHTERF	55	15	12														0	0	0	181	438	122	0	7.7	260	18	8	05	230	31	3	1524
	LOWTHER HILL	75	27															0	6	32	301	346	30	0	10.8	190	30	27	12	190	45	27	1248
	MACHRIHANISH	22	12	12														0	7	63	417	224	40	0	12.8	350	32	30	14	170	45	27	1300
	PRISELY	57	25	9														0	0	0	124	511	106	0	7.5	190	20	22	14	190	37	22	1436
	PRESTWICK AIRPORT	21	10	10														0	4	10	342	300	92	0	10.0	320	24	5	17	180	45	27	1100
	TIREE	24	16	12														0	7	56	430	219	39	0	12.7	340	26	4	03	360	37	4	2100
DUMFRIES AND GALLOWAY	ESKDALEMUIR	259	10	10														0	3	12	238	343	151	0	8.5	180	25	22	13	190	47	22	1348
	WEST FREUCH	25	10	10														0	5	15	332	319	48	0	10.8	190	24	27	12	170	39	27	1206
2 ENGLAND E & NE																																	
	BLYTH	19	10	10														0	4	15	256	377	84	0	9.5	360	24	31	340	37	4	2308	
	BOUMLER	33	10	10														0	0	0	213	419	112	0	8.3	330	21	5	01	330	36	5	0030
	TYNE AND WEAR	22	17	13														0	3	21	207	290	226	0	7.6	350	25	5	08	340	32	5	0730
	CLEVELAND	28	20	20														9	9	72	356	211	86	0	12.4	210	37	27	15	350	47	5	0412
	DURHAM	119	16	10														0	0	0	197	355	210	2	7.1	280	21	8	14	180	38	27	1518
NORTH YORKSHIRE	LEEMING	42	10	10														0	0	0	213	404	127	0	8.1	290	21	8	12	300	32	8	1200
	LINTON-ON-OUSE	23	9	10														0	0	0	173	369	162	0	7.2	340	18	31	230	35	5	1200	
	SILPHO MOOR	207	15	9														0	0	0	86	365	293	0	5.4	330	20	5	14	330	41	5	1436
HUMBERSIDE	SPURN POINT																	5	3	7	325	351	60	0	10.1	340	22	5	08	340	34	5	0088
LINCOLNSHIRE	BINBRIDGE	118	10	10														1	2	166	377	100	0	8.8	290	22	8	14	200	33	27	1436	
	CONINGSBY	16	10	10														0	0	0	165	396	183	0	7.2	270	20	8	15	270	32	8	1518
	CRANWELL	68	13	13														0	0	0	276	369	97	0	9.0	290	21	8	14	280	32	8	1320
	SCARPTON	68	10	10														0	0	0	245	427	72	0	8.7	280	20	8	14	270	31	8	1346
	HADDINGTON	80	10	10														0	0	0	160	466	118	0	7.6	010	19	31	21	260	34	8	1530
3 EAST ANGLIA																																	
	NORFOLK	COLTISHALL	27	10	10													0	0	0	174	430	140	0	7.5	290	18	8	16	330	32	5	1544
	DORLESTON	16	13	13														0	1	2	187	459	80	16	8.2	180	23	26	11	190	33	26	1100

JULY 1978

TABLE 6 SUMMARY OF AUTOGRAPHIC RECORDS OF WIND

TABLE 3 ADDITIONS AND CORRECTIONS

YEAR	MONTH	STATION	AIR TEMPERATURE IN DEGREES C						MEAN EARTH TEMPERATURE	RAINFALL (TERMINAL H 09 GMT)	WEATHER (NUMBER OF DAYS)						BRIGHT SUNSHINE		
			MEANS OF		DAILY MEAN (MEAN OF A-B)	HIGHEST MAXIMUM	LOWEST MINIMUM	30 CM DEGREES C		100 CM DEGREES C	TOTAL FALL (MM)	PERCENTAGE OF 1961-70 AVERAGE AMOUNT (MM)	MOST IN A DAY	PRECIP- ITATION	ICE PELLETS, ETC.	THUNDER HEARD	FOG AT SH	AIR FROST SECONDS NO. SEC C	
			MAX. (A)	MIN. (B)				MAX.	DATE								DAILY MEAN (HOURS)	PERCENTAGE OF 1961-70 AVERAGE	EXPOSURE
1971 APRIL	LETCHWORTH																		
1976 DECEMBER	BALTASOUND																		
	ACHNA SHELLACH																		
	DAULHINNIE																		
	GREENDOCK																		
	WETLAND																		
	GLEMORIE LODGE																		
	MARN																		
	HADDINGTON																		
	COATBRIDGE																		
	HELENSBURGH																		
	PAISLEY																		
	BARGRANAN																		
	GARLESTON																		
	STANSTEAD ABBOTS																		
	HUDDERSFIELD (OAKES)																		
	WILLIAMS																		
	DERBY																		
	BIRMINGHAM KES																		
	BUGBROOK MILLS																		
	AYLESBURY																		
	HARROW MEAD																		
	DOVER ROAD																		
	GRIZEDALE																		
	NEWTON RIGG																		
	SELLAFIELD																		
	TRANSFELYNNED																		
	NETTLECOMBE																		
	DALCROSS																		
	KEISS																		
	HUNTERSTON																		
	BOLLMER																		
	TYMENMOUTH																		
	WIDDYBANK FELL																		
	LEEMING																		
	CLEETHORPES																		
	KIRTON																		
	LINCOLN																		
	SKEGNESS																		
	EAST BERGHOLT																		
	ALDENHAM SCHOOL																		
	CLACTON																		
	BRAMHAM																		
	ILKLEY																		
	PONTEFRACT																		
	KEELE																		
	OAKEN																		
	PRESTON MONTFORD																		
	SHREWSBURY																		
	BIRMINGHAM KES																		
	MORETON MORRELL																		
	BUGBROOK MILLS																		
	OXFORD																		
	GREENWICH																		
	EAST MALLING																		
	LECKFORD																		
	ROGATE																		
	GRIZEDALE																		
	BOLTON																		
	LLYN ALAW																		
	RUTHIN																		
	LLANFAIR CAERFADIN																		
	HEATH																		
	PORT TALBOT																		
	SWANSEA																		
	CILFONYDD																		
	BRIDGENO																		
	USK																		
	BATH																		
	CANNINGTON																		
	DOWNSIDE ABBEY																		
	EXTON																		
	HAWKridge																		
	NETTLECOMBE																		
	BOURNEMOUTH																		
	MEYRICK PARK																		
	WEYMOUTH																		
	WINFRITH																		
	HARTLAND POINT																		
	ILFRACOMBE																		
	OKEHAMPTON																		
	PRINCETOWN																		
	SIDMOUTH																		
	NERQUAY																		
	7.5	(11.7)	2.6	5.1	(4.1)	(-1.2)	12.6	25	-6.4	11	129	198	19	15	20	19			

Averages for 1961-70 were brought into use on 1-1-1974. Additions or corrections for months prior to this date refer to the averages in use at the time.

(x) Urban rooftop site.

